



MT300 Matrix Tracking Box

— User Manual —

MT300 / MT300N

Federal Communication Commission

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

PSTI Statement of Compliance

Please refer to the following website: https://www.aver.com/product-security-advisory

Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Caution

Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.

COPYRIGHT

©2024 AVer Information Inc. All rights reserved. | December 27, 2024 The information contained in this documentation is subject to change without notice.

More Help

For FAQs, technical support, software and user manual download, please visit:

Non-USA

Download Center: https://www.aver.com/download-center Technical Support: https://www.aver.com/technical-support

USA

Download Center: https://www.averusa.com/pro-av/support/ Technical Support: https://averusa.force.com/support/s/contactsupport

Contact Information

Headquarters

USA Branch Office

AVer Information Inc. 8F, No.157, Da-An Rd., Tucheng Dist., New Taipei City 23673, Taiwan Tel: +886 (2) 2269 8535 AVer Information Inc., Americas 44061 Nobel Drive, Fremont, CA 94538, USA Tel: +1 (408) 263 3828 Toll-free: +1 (877) 528 7824

Europe Branch Office

AVer Information Europe B.V. Westblaak 134, 3012 KM, Rotterdam, The Netherlands Tel: +31 (0) 10 7600 550

Japan Branch Office

アバー・インフォメーション株式会社 〒160-0023 日本東京都新宿区西新 宿 3-2-26 立花新宿ビル 7 階 Tel: +81 (0) 3 5989 0290 お客様サポートセンター(固定電話の み): +81 (0) 120 008 382

Vietnam Branch Office

Công ty TNHH AVer Information (Việt Nam) Tầng 5, 596 Nguyễn Đình Chiểu, P.3, Quận 3, Thành phố Hồ Chí Minh 700000, Việt Nam Tel: +84 (0) 28 22 539 211 Hỗ trợ kỹ thuật: +84 (0) 90 70 080 77

Korea Office

한국 에버 인포메이션 (주) 서울시 종로구 새문안로 92 (신문로 1 가, 광화문오피시아빌딩) 1831, 1832 호 Tel: +82 (0) 2 722 8535

Contents

| Overview | 1 |
|--|----|
| Package Contents | 1 |
| Optional Accessories | 1 |
| Parts Info | 2 |
| LED Indicators | 3 |
| Dimensions | 3 |
| Connections | 4 |
| RS-422 Connection | 5 |
| Installation | 7 |
| Cable Fixing Plate Installation | 7 |
| Desk Mount Installation | 8 |
| Server Rack Mount (Optional Accessories) | 8 |
| Get Started | 9 |
| Supported AVer Devices | 9 |
| Supported Microphones | 10 |
| Audio-Technica | 10 |
| Biamp | 14 |
| Bosch | 18 |
| ClearOne | 22 |
| Nureva | 24 |
| Sennheiser | 28 |
| Shure | 30 |
| Yamaha | 35 |
| Access the Web Interface | 36 |
| AVer Device Utility | |
| AVer Enterprise Management | |
| Set up Your MT300 | 39 |
| Compare MT300 Modes | |

| Human Tracking | |
|---|-----------------------|
| Add a Device | 41 |
| User Interface | 44 |
| Live Mode | 45 |
| Manual Mode | 46 |
| Add a Preset | 47 |
| Auto Mode (Channel) | 48 |
| Select Group Panel | 53 |
| Assign a Priority Group | 56 |
| Multiple Speakers Mode Conditions | 57 |
| Auto Mode (Active Position) | 58 |
| Supported Devices | 58 |
| Square Microphone Calibration | 59 |
| Round Microphone Calibration | 64 |
| | |
| Add a Coverage Area | 67 |
| Add a Coverage Area MT300 System Settings | 67 69 |
| Add a Coverage Area MT300 System Settings Video & Audio | 67 69 69 |
| Add a Coverage Area MT300 System Settings Video & Audio Network | 67 69 69 71 |
| Add a Coverage Area MT300 System Settings Video & Audio Network NDI | |
| Add a Coverage Area MT300 System Settings Video & Audio Network NDI System | |
| Add a Coverage Area MT300 System Settings Video & Audio Network NDI System Help | |
| Add a Coverage Area | |
| Add a Coverage Area MT300 System Settings Video & Audio Network NDI System Help Specifications Troubleshoot | |
| Add a Coverage Area MT300 System Settings Video & Audio Network NDI System Help Specifications Troubleshoot Appendix | |
| Add a Coverage Area | |
| Add a Coverage Area MT300 System Settings | |
| Add a Coverage Area | |

Overview

Package Contents



MT300 Matrix Tracking Box



3.0 x 5mm Flat Head Screw (x5)



Power Adapter & Power Cord



3.0 x 5mm Truss Head Screw (x4)



USB 3.0 Cable (x2) 1.5 m/4.92 ft

RS-422 Cable



Cable Ties (x13)

Cable Fixing Plate (x2)

-0000000))

M3 x 10mm Screws (x4)

Quick Start Guide

Rack Mount Bracket (x2)



Warranty Card (Japan only)

Optional Accessories



Server Rack Mount

3.0 x 5mm Flat Head Screw (x3)

3.0 x 5mm Truss Head Screw (x2)

Parts Info



Front Panel

- 1. Power Button
- 2. Reset Button
- 3. LED Indicators
- 4. HDMI Out Port (x2)
- USB Out 3.0 Type-B Port (x2) (single USB out port per use only)

Back Panel

- 6. DC Power Jack
- 7. PoE+ Port IEEE 802.3AT
- 8. Ethernet Port
- 9. HDMI In Port (x3)
- 10. USB In 2.0 Type-A Port (x3)
- 11. RS-422 Port
- 12. Kensington Lock

LED Indicators



STATUS

| Color | Status |
|----------------|------------------|
| Solid orange | Standby |
| Solid green | Normal |
| Flashing green | Firmware upgrade |

USB 1, USB 2

| Color | Status |
|----------------|-----------|
| Solid green | Connected |
| Flashing green | Streaming |

LAN 1, LAN 2

| Color | Status |
|-------------|-----------|
| Solid green | Connected |

Dimensions



Connections

Front Panel



RS-422 Connection

Use an RS-422 adapter cable to make a RS-422 connection to your control device.





| Pin # | Pin |
|-------|-----|
| 1 | TX+ |
| 2 | TX- |
| 3 | RX+ |
| 4 | TX+ |
| 5 | TX- |
| 6 | RX- |
| 7 | RX+ |
| 8 | RX- |

RS-422 Port Pin Definition



T-568B Cable



Installation

Cable Fixing Plate Installation

1. Secure the cable fixing plates to the tracking box with 5 flat hat 3.0 x 5 mm screws in the package.





2. Plug in cables.

3. Use 13 cable ties in the package to secure the cables and cable fixing plates.





Desk Mount Installation

1. Secure the mount brackets on the tracking box. Screw: 4 truss head screws, 3.0 x 5 mm



2. Install the mount brackets and the tracking box under the desk. Screw: 4 screws, M3 x 10 mm



Server Rack Mount (Optional Accessories)

For details on optional accessories, consult your local dealer.



Get Started

Supported AVer Devices

Professional Tracking Cameras

• Single Lens

| TR211 | TR311HWV2 | TR310 |
|--------|------------|---------|
| TR315 | TR313V2 | TR311 |
| TR315N | TR323V2 | TR311HN |
| TR335 | TR323NV2 | TR313 |
| TR335N | TR333V2 | TR331 |
| | PTC310HWV2 | TR333 |
| | PTC310UV2 | PTC310 |
| | PTC320UV2 | PTC310N |
| | PTC320UNV2 | PTC310U |
| | PTC330UV2 | PTC330 |
| | | PTC330U |

Dual Lens

| TR535 | TR530+ |
|--------|---------|
| TR535N | PTC115+ |
| | PTC500+ |

Professional PTZ Cameras (Do not support Human Tracking)

| PTZ211 | PTZ310 |
|------------|---------|
| PTZ231 | PTZ310N |
| PTZ310UV2 | PTZ310W |
| PTZ310UNV2 | PTZ330 |
| PTZ330UV2 | PTZ330N |
| PTZ330UNV2 | PTZ330W |

Video Conferencing Cameras (Do not support Active Position)

CAM520 Pro3 CAM550 CAM570

Distance Learning Camera (Do not support Active Position)

DL30

Supported Microphones

Important Note on Voice Tracking Installation

When installing voice tracking systems, consider the environment, materials, and distances to ensure optimal performance. Assess the room size, layout, and acoustics, as these factors impact accuracy. Different surfaces affect sound reflection and absorption, influencing effectiveness. Measure and maintain appropriate distances between devices and the coverage area for clear tracking. To achieve the best experience, connect with an AVer technical expert who can tailor the installation to your specific needs.

Third-party microphone systems may require setup in their manufacture software. Turn on **Multicast** on your router before setting up.

Audio-Technica

ATND1061LK/DAN

ATUC-50

ATUC-IR

To set up ATND1061LK/DAN Beamforming Ceiling Array Microphone:

- Open Digital Microphone Manager. Go to Settings & Maintenance > System Settings > Network > IP Control Settings.
- 2. Turn on Notification and Camera Control Notification.

| Settings & Maintenance | | |
|------------------------|-----------------------------|-------|
| ~ System Settings | | |
| General | Allow Discovery | |
| Network | Enabled | •• |
| Audio | | |
| • LED | IP Control Settings | |
| IR Receiver | Port Number | 17300 |
| • Utilities | Notification | |
| > Presets | Audio Level Notification | •• |
| | Camera Control Notification | |
| > Logging | Multicast Address | 225 0 |
| > System Info | Multicast Port Number | 17000 |

- 3. Select a microphone in the main area.
- 4. Go to **Camera > Camera Area**. Add a Camera Area by dragging it within the microphone pickup area. Each Camera Area group corresponds to MT300 channel 1-8.



To set up ATUC-IRCU infrared control unit:

- On the ATUC-IRCU Web Remote interface, go to Settings & Maintenance > System Settings > Network > IP Control Settings.
- 2. Turn on Notification.

Note: If a powered-off ATUC-IRDU appears to be sending audio signal in MT300, turn on **Audio Level Notification** to resolve the issue.

| • ATUC-IR | | | ~ • > * | Y' E | Preset | Preset | s 1 |
|--------------------|--------------------------|-------|-------------------|------|--------|--------|-----|
| Settings & Mai | intenance | | | | | | • |
| ✓ System Settings | IP Control Settings | | | | | | |
| General | | | | | | | |
| Network | Port Number | 17300 | | | | | |
| User Access | Notification | | | | | | |
| • Utilities | | | | | | | |
| > Install Settings | Audio Level Notification | | | | | | 1 |
| > Presets | Multicast Address | 225 | 0 | 0 | 100 | | |
| > Logging | Multicast Port Number | 17000 | | | | | |
| > System Info | | | | | | | |
| | | | | | | | |

Pairing ATUC-50 with AVer camera presets for voice tracking :

- Each ATUC-50DU or ATUC-IRDU discussion unit corresponds to an MT300 channel.
- A discussion unit whose talk button is pressed first takes priority over others until it is mute. For example, Channel 1 (pressed first) takes priority over Channel 2 whose talk button is also pressed.

| Link more devices 🕂 | Subscription: 2024/01/01 |
|-------------------------------|---|
| Select your device | ATUC-50 - TR313V2 Q E g., Preset 1, Channel 2 or Zone |
| ATUC-50 C | Channel Active Position Time Microphone Camera Human tracking Remarks |
| BiampA O Passa TR313V2 MIC | Channel 1 4 4 Preset 0 V Off V |
| BiampL O Poss TR211 MIC | Channel 2 IIII Preset 1 V Off V |
| | Channel 3 Select preset V Off V |

Biamp

Tesira Digital Signal Processor

Parlé Ceiling Microphones (requires Parlé product revision A or B)

| Tesira Digital | Tesira Forte X, Tesira Forte Rackmount, Tesira Server IO, Tesira Server. |
|------------------|--|
| Signal Processor | |
| Parlé TCM-X | Plenum network box + one ceiling-mount microphone array |
| Parlé TCM-XA | Plenum network box with built-in amplifier+ one ceiling-mount microphone array |
| Parlé TCM-XEX | One expansion ceiling-mount microphone array |

Hardware and Channels Overview

Up to 2 ceiling microphone arrays are permitted per network box (one TCM-X or TCM-XA with TCM-XEX).

Each ceiling microphone array has 8 channels. MT300 divides the microphones' horizontal angles into 8 equal parts, which correspond to MT300 Channel 1 - 8.



| Microphone | Channel Start/End |
|--------------------|-----------------------|
| A)/orDorloMio1 | 1-8 (ceiling mic 1) |
| AverFallelviicT | 9-16 (ceiling mic 2) |
| A)/orDorloMio2 | 17-24 (ceiling mic 1) |
| AverFarleiviicz | 25-32 (ceiling mic 2) |
| AVerParleMic3 | 33-40 (ceiling mic 1) |
| | 41-48 (ceiling mic 2) |
| A) (or Dorlo Mio 4 | 49-56 (ceiling mic 1) |
| AverParielviic4 | 57-64 (ceiling mic 2) |
| A)/orDorloMio5 | 65-72 (ceiling mic 1) |
| AverFarleiviic5 | 73-80 (ceiling mic 2) |
| A) (or Dorlo Mio6 | 81-88 (ceiling mic 1) |
| AverParleivlico | 89-96 (ceiling mic 2) |

To enable system security:

You can protect 3rd party media control access for the Tesira system using username and password.

- 1. After the DSP has been configured, connect to the unprotected Tesira system with Tesira Designer Software.
- 2. Open the System page > Security menu > Manage System Security...
- 3. Click the Protect System... button to create the admin user and password.

| System Security Settings | | | | × |
|--------------------------|-------------------------|-----|-------|-------------|
| System Users: | | | | |
| Name | Privilege Group | | | |
| | Protect System | | | |
| | Admin Password: | | | |
| | Confirm Admin Password: | cel | | |
| | | | | |
| Protect System | | | Close | <i>d</i> i. |

 You'll be prompted to enter the same set of username and password when connecting to Biamp microphones in MT300.

| × | |
|---|--|
| Unable to connect to microphone device, please enter username and password to reconnect. | |
| | |
| Username | |
| Password | |
| Update | |

To set up Parlé TCM-X microphones:

- 1. Open Tesira Design Software.
- 2. After the TCM-X microphone has been added to the layout, the instance tag of the Parlé microphone block or Logic Meter block to be controlled must use the following naming schemes.

To check or rename the instance tag of a specific block, click on that block, go to **Properties** panel > **DSP Properties** tab > **Instance Tag**.

- 3 / FILMADA PARTAN¹⁵

 Provide

 Provide
 Provide
 Provide

 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
 Provide
- Parlé microphone block: AVerParleMicX (X=1–6 starting with 1)

Logic Meter Parle Processing active mic output: AVerActiveMic

| ×O √ P01:Audio Partition1* | | | | Properties | • × |
|---|--|---|---|-------------------|---------------|
| 0i ⁵ | 1 ¹⁰ | 120 | · 1 ³⁰ . · · · · · · · · · · · · · · · · · · · | LogicMeter241 | |
| × | E Fer Side | | | Direbu Dressutine | DCD Duranting |
| | | | | Show channel 1 * | Show al |
| | Parlé Azimuth Mode DN DSI | · | Opsiche Texas (Beam Output) Logic Node 40% DSP per 2x Parle | Configuration | - |
| the second se | | - 1 AGC - 1 Signal Present Meter | Differ Side | Allocated to unit | |
| Ţ | E NHD | | | Rxed in unit | False 🔻 |
| e | Copio Meter | SpeechSenae & SoPresMeters | 1111 1111 March 12 March 12 RMS | Instance Tag | AVerActiveMic |
| | 2 Channel | 2 SpeechSense Hold | Parki Deare Same Camera | Channel 1 of 2 | rabe • |
| | Ιĭ | Logo Leisy | 8 Channel Tracking | Identifier | |
| | 1 <u>+ 1</u> 1 | CI SpeechSenae & SgPresMetters | | State | |
| | | | | | |
| | LI NAND Gate | T J | Logic Meter | | |
| 8 | | | | | |
| | 1 | Mic Commit Logic Selector Logic Delay 2 Channel | n "Manual Mode" inside Aller | | |
| | | | to Allerfaster1. | | |
| | | <u>"I</u> ., | | | |
| | | 2 Charnel | | | |
| | PTZLINK > | PTZLINK > AVerActiveMic | | | |
| 5 | | | | | |
| The | is logic meter has been added for future Alver bisolistion and awareness of Far End taken | Azimuth mode to validate which pendant the | | | |
| act. | tve. | NRD AGC Speech Serse is active. This | | | |
| | | slams and only go high when speech is | | | |

• Logic Meter block: AVerMeterX (X=1-4 starting with 1)



3. Click **Channel Configure** and select a pickup mode in MT300. Then lick **Save**.

| | | | | | × |
|---|--|--------------------------------------|--------------------------------------|---------------------------|---|
| Microphone Model Biamp | | | | | |
| Pickup Mode | | | | | |
| Parle Azimuth | | | | | ~ |
| The Instance Tag of t Parlé microphone blo Logic Meter Block Pa AVerActiveMic. | he block to be ck: AVerParle rle Processin | e controlle MicX (X= g Block a | ed must be: 1-6). ctive mic ou | itput: | |
| | | | | | |
| Set the intensity three setting range is betwe each step. | shold for Bian een 0.01 and | np's "Park 1.00, with | e Azimuth" r | node. The s of 0.01 fo | л |
| | | | | | |
| | Cancel | | Save | | |

Bosch

CCS 1000 D Digital Discussion System DICENTIS Wireless Conference System

- Each CCS 1000 D Control Unit supports up to 80 Discussion Devices.
- Assign each CCS 1000 D Discussion Device to one MT300 channel by changing the seat name.
- A discussion unit whose talk button is pressed first takes priority over others until it is mute. For example, Channel 1 (pressed first) takes priority over Channel 2 whose talk button is also pressed.

| Auto Mode Settings | Manual Mode Setti | ngs | | |
|---|-------------------|-----------------|------------------|------------------------------------|
| Select Output Layout Side-by-side 🗸 | Bosch - TR311HWV2 | | | Q E.g. Preset 1. Channel 2 or Zone |
| | Channel | Active Position | | |
| Select group ? Group + | Microphone | Camera | Human tracking 🅤 | Remarks |
| Bosch Contraction Bosch | Channel 1 I | Preset 0 V | Hybrid 🗸 | |
| | Channel 2 I | Preset 1 V | Zone 🗸 | |
| | Channel 3 | Select preset V | | |
| | Channel 4 | Select preset | | |
| | Channel 5 | Select preset 🗸 | | |
| | Channel 6 | Select preset 🗸 | | |
| | Channel 7 | Select preset | | |
| | Channel 8 | Select preset | | |
| | | | | Go to 1 🗸 // |

To set up CCS 1000 D:

- 1. Connect to the CCS 1000 D Control Unit through IP. Access the web interface with an administrator account.
- Go to System Settings > Users, create a user for MT300 with the default username/password ptzlink/ptzlink. The password can be changed later. For User rights, select Manage meeting.

| User settings | | \frown | | | | | |
|------------------------|------------|-------------|------------|----------------|-------------|-----------|--------|
| Users | | | First name | | AVer | | |
| Administrator Administ | rator | \bigcirc | Last name | | Information | | |
| AVer Information | | | Username | | ptzlink | | |
| | | | | Change | password | | |
| Add r | iew user | | | | | | |
| First na | ame | AVer | | User rights: | | | |
| Last na | ime | Information | | Manage meeting | | Configure | |
| Userna | me | ptzlink | | Prepare m | eeting | Prepare | system |
| Passwo | ord | ptzlink | | Modify use | ers | | |
| Confirm | n password | ptzlink | | | | | |
| | | | | | | | |
| C | Cancel | | | | | | Save |

 Go to System Settings > Network and general settings > General settings, deselect Automatically shut down the system when not used to avoid entering standby mode.

| Network and general settings | | |
|--|------------------------|--|
| Network settings | | |
| Hostname | ccs1000d | |
| Wired | | |
| Fixed IP | No | |
| C | hange network settings | |
| General settings Automatically shutdown the system when not used | | |
| | Factory default | |
| | | |

4. Go to **System Settings > Seats**, rename the **Seat name** ending with a space and a number to assign each discussion device to one MT300 channel of the same number.

| Seat settings | | | | | |
|---------------|-----------|----------|--------|--------------|------------------------|
| (2-2) | Seat name | Mode | Camera | Pre-position | ▲ ▼ |
| | Seat 1 | Normal 🗸 | None ~ | | |
| | Seat 2 | Normal 🗸 | None ~ | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | De inite Dem | |
| Selection mod | ie | | | De-Init Rem | ove disconnected seats |
| | | | | | |

Seat 1 corresponds to channel 1, seat 2 to channel 2, and so on.

5. You'll be prompted to enter the same set of username and password when connecting to Bosch microphones in MT300.

Note:

CCS 1000 D Control Unit allows one login at a time. When connecting CCS 1000 D Discussion Devices to MT300, make sure you are not logged in anywhere else.

| Profile 1 ~ | | | | 9 | 8 |
|--|-----------------------|--|--------------------|---------|---|
| | Manual Mode | Settings | | | |
| Select Output Layout Side-by-side × | | | | | |
| Select group () Croup + | Channel Microphone | Unable to connect to microphone device, please er and password to reconnect | × nter username | () Time | |
| Bosch | | | | | |
| | | Username | * | | |
| | | Password | A | | |
| | | Update | | | |
| | | Select preset 🗸 👳 | | | |
| | | Select preset 🗸 Of | | | |
| | | Select preser | | | |

ClearOne

BMA 360 + CONVERGE® Pro 2 DSP Mixers

- CONVERGE® Pro 2 connects up to 3 daisy-chained BMA 360 microphone arrays.
- MT300 assigns 12 channels to each BMA 360. Unused channels are retained in the assigned BMA 360.

| Daisy-Chained | Channel Start/End |
|-------------------------|-------------------|
| 1 st BMA 360 | 1-12 |
| 2 nd BMA 360 | 13-24 |
| 3 rd BMA 360 | 25-36 |

• When adding your device in MT300, select your MIC channels in the drop-down list according to the number of BMA 360 daisy-chained.

| Auto Mode Settings | |
|--------------------------|---|
| | |
| | |
| Single | ~ |
| | |
| | |
| Group Name | Ċ |
| Select Camera | • |
| Select MIC | ~ |
| Select your MIC Channels | ~ |
| | |
| | |

BMA 360D

- Use CONSOLE AI Lite software to select preset beam patterns for common room or custom pattern for unique floorplans of up to 12 beams.
- Each microphone beam corresponds to one MT300 channel of the same number.



Nureva

HDL300 HDL310

Dual HDL300

HDL410

To set up HDL microphones:

- Nureva Console Client:
 - 1. Turn on Enable camera tracking integration.
 - 2. Enter the IP address of the computer running MT300 in the **Allowed host names / IP** addresses field.

| Nureva® Console client | - □ > |
|------------------------|---|
| n) reva | |
| DEVICES | HDL300 Manage online in Nureva [®] Console cloud |
| HDL300 | Integrations |
| | Camera tracking Allows sound location data collected by this HDL300 to be used as input for third-party camera tracking. Learn more Enable camera tracking integration Network Integration settings Host name: SUL-NBM-shownent [] Piddres: 172.202401 Local subnet mask: 255.255.240.0 Part [] |
| | Allow the following to access sound location data from this device: Allowed host names / IP addresses Enter names or addresses |

• MT300:

MT300 divides HDL microphones' horizontal angles into 8-24 equal parts, which correspond to MT300 channel 1-24.



When adding microphones in MT300, enter the IP address of the computer running Nureva Console Client in the **IP Address** field.

| Add New Device | | | | | | | |
|------------------|------------|--|--|---|--|--|--|
| Select Camera or | Microphone | | | | | | |
| Microphone | | | | ~ | | | |
| Microphone Brai | nd | | | ~ | | | |
| | | | | | | | |
| | | | | ¥ | | | |
| Device Name | | | | ġ | | | |
| | | | | | | | |
| | Cancel | | | | | | |

To add a coverage area for HDL410 in MT300:

1. Go to Auto Mode Settings > Channel > Channel Configure.

| Auto Mode Settings | Manual Mo | de Settings | | | |
|------------------------|-------------|-----------------|------------------|----------|---------------------------|
| Select Output Layout | G2 - TR315N | | | | |
| Single ~ | Channel | Active Position | | | Channel Configure () Time |
| | Microphone | Camera | Human tracking 🌘 | | |
| Select group ? Group + | Channel 1 | Preset 0 🗸 | Off | ~ | |
| G2 C | Channel 2 | Select preset V | Off | • E | |

- 2. Select Coverage from the Pickup Mode drop-down list.
- 3. Click Coverage Map Setting > Click Add Coverage.





- 4. Add a coverage area by dragging it.
 - You can add up to 8 coverage areas per microphone.
 - When coverage areas overlap, the microphone will default to the area with the smaller number.

Sennheiser

TeamConnect Ceiling 2

TeamConnect Ceiling Medium

MT300 divides TeamConnect Ceiling 2's and TeamConnect Ceiling Medium's horizontal angles into 8-24 equal parts, which correspond to MT300 channel 1-24.

• TeamConnect Ceiling 2

An Exclusion Zone set in Sennheiser Control Cockpit also affects the corresponding channel in MT300.





Sennheiser Control Cockpit

• TeamConnect Ceiling Medium

The 3rd party media control access for TeamConnect Ceiling Medium is encrypted and protected using username and password. It has to be enabled using Sennheiser Control Cockpit before use.

| d Audio | 🕑 Zones | 📰 Device | 🕂 Network | 🔒 Access | | | | | |
|------------------------|---------------------------------------|---------------|-----------------|----------|--|--|--|--|--|
| TeamConnect Ce | TeamConnect Ceiling Medium 1 selected | | | | | | | | |
| 3rd Party Access | i O | Device Access | 0 | | | | | | |
| Access Username api | Activated | Password **** | | | | | | | |
| Password | Jser12345 📀 | l | Change Password | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | Ok Cancel | | | | | | | | |

To set a 3rd Party device control password:

- 1. Open Sennheiser Control Cockpit. Go to the Access tab in the device configuration page.
- 2. Activate the toggle switch.
- 3. Enter a password.
- 4. You can use the username "api" and configured password for your API calls.

Note:

- If you deactivate 3rd party access, the previously set password will be deleted.
- Password must be at least 10 characters and no more than 64 characters. Use at least one lowercase letter, one uppercase letter, one number and one special character (!#\$%&()*+,-./:;<=>?@[]^_{[}~])~).

Shure

Shure® IntelliMix® P300 Audio Conferencing Processor Shure® IntelliMix® Room Audio Processing Software Shure® MXA310 Table Array Microphone Shure® MXA710 Linear Array Microphone Shure® MXA910 Ceiling Array Microphone Shure® MXA920-S / MXA920-R Ceiling Array Microphone

Shure® Microflex® Complete Wireless (MXCW) System

MXA310 Table Array Microphone



Web Application

- 1. Open the **Configuration** tab.
- Select a template from the multi-channel options. Or select Add Channel to add more than 1 channel. MT300 does not support single channel for the MXA310.

• MXA910 Ceiling Array Microphone

| | | lute Bypass al | I EQ EQ conto | ur Coverage | e Channels | IntelliMix | _ | | Ф П |
|--|---|-------------------|--|-------------------|--|---|--|---------------|---|
| Bypass IntelliMix | Revert to defaul | 3 | 4 | 5 | 6 | 7 | 8 | Automix | > Properties |
| Channel 1 | Channel 2 | Channel 3 | Channel 4 | Channel 5 | Channel 6 | Channel 7 | Channel 8 | Automix Out | |
| Send to mix | Send to mix | Send to mix | Send to mix | Send to mix | Send to mix | Send to mix | Send to mix | | \frown |
| • On | • On | On | • On | • On | On | • On | • On | | |
| 0 112 122 124 40 - | 0 -12 -12 -12 -12 -12 -12 -12 -12 -12 -12 | 0 | 0 10 10 10 10 10 10 10 10 10 1 | 00 | 0 10 10 10 10 10 10 10 10 10 1 | 0 -12 -12 -12 -12 -12 -12 -12 -12 -12 -12 | 0 10 10 10 10 10 10 10 10 10 1 | 80 | •••• |
| de defs | dB dBFS | de defs | dB dBFS | dis dispo | dis disfis | di dilFG | di dilFS | di diFC | Settings |
| 0 + dB - | 0 + dB - | 0 + dB - | 0 + dB - | 0 + dB - | 0 + dB - | 0 + dB - | 0 + dB - | 0 + dB - | Automix mode Gating Automix gain meter Maximum open channels |
| Solo | Solo | Solo | Solo | Solo | Solo | Solo | Solo | NR | 8 |
| Priority | Priority | Priority | Priority | Priority | Priority | Priority | Priority | Comp | Leave last mic on |
| Always on Mote | Always on Mote | Always on Mote | Always on Mote | Always on Mute | Always on Mote | Always on Mute | Always on Mute | Delay Mute | Off attenuation (dB) -40 - + |
| | | | | | | | | | 400 - + |
| | | | | | | | | | SHURE |

Web Application

Go to IntelliMix > Automixer Properties > Deselect Leave last mic on.
• MXA920-S / MXA920-R Ceiling Array Microphone

Note: To integrate with supported AVer camera tracking system via active talker positions, refer to <<u>Auto Mode (Active Position)</u>>.

| ass IntelliMix | Revert to defaul | lute Bypass al | IEQ EQ conto | ur Coverage | e Channels | IntelliMix | _ | | \$ |
|-------------------|---|-------------------|-------------------|---------------------------------------|--|---|---|--|-----------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Automix | > Properties |
| Channel 1 | Channel 2 | Channel 3 | Channel 4 | Channel 5 | Channel 6 | Channel 7 | Channel 8 | Automix Out | |
| Send to mix | Send to mix | Send to mix | Send to mix | Send to mix | Send to mix | Send to mix | Send to mix | | |
| • On | ● On 0 1 1 1 0 0 1 1 2 1 2 1 2 1 2 1 2 1 2 1 | On 100 | • On 0110 | On 20 - 1 - 0 10 - 12 30 - 1 | 0n 112 123 124 124 124 124 124 124 124 124 | On 0 0 0 0 0 0 0 0 0 0 0 0 0 | • On 2011 - 1 - 12 -12 -12 -12 -12 -12 -12 -12 - | 80 - 1 - 0 1012 -3324 4036 4048 -48 | •••• |
| dis diffs | dB dBFS | dB dBFS | dis disfis | dis disfis | dis dispo | dis disfis | di dilFS | di dBFS | Settings |
| 0 + dB - | 0 + dB - | | | 0 + dB - | 0 | 0 + dB - | | 0 + dB - | Automix mode Gating |
| AGC | AGC | AGC | AGC | AGC | AGC | AGC | AGC | AEC | Maximum open channels |
| Solo Priority | Solo Priority | Solo Priority | Solo Priority | Solo Priority | Solo Priority | Solo Priority | Solo Priority | PEQ Comp | Leave last mic on |
| Always on Mute | Always on Mote | Always on Mote | Always on Mote | Always on Mute | Always on Mute | Always on Mute | Always on Mute | Delay Mute | Off attenuation (dB) -40 |
| | | | | | | | | | Hold time (ms) 400 - |
| | | | | | | | | | SHU |

Web Application

To manually position up to 8 lobes:

1. Go to Settings > General > Turn off Automatic coverage.



2. Go to IntelliMix > Automixer Properties > Deselect Leave last mic on.

 Go to Auto Mode Settings > Channel > Channel Configure in MT300 > Select Lobe as Pickup Mode: The lobes you have positioned in the MXA920's web application correspond to MT300 channel 1-8.

| Auto Mode S | Settings | Manual Moo | le Settings | | | | |
|----------------------|------------|-------------|----------------|---|------------------|---|---------------------------|
| Select Output Layout | | G2 - TR315N | | | | | |
| Single | ~ | Channel | Active Positio | | | | Channel Configure 10 Time |
| | | Microphone | Camera | | Human tracking 👔 | | |
| Select group | ? Group + | Channel 1 | Preset 0 | ~ | Off | ~ | |
| G2 | € ● MIC | Channel 2 | Select preset | ~ | | | |

4. Turn on Enable advanced talker position to detect voice.

| | × |
|--|---|
| Microphone Model | |
| Shure MXA920-5 | |
| Pickup Mode | |
| Lobe | ~ |
| Select Coverage, Autocoverage needs to be turned on Enable advanced talker position | • |
| Cancel Save | |

To add a mix of up to 8 dynamic and dedicated coverage areas:

 Go to Settings > General > Turn on Automatic coverage. The default setting is a 30 by 30 foot (9 by 9 meter) dynamic coverage area.

| MXA920-S-ff89ff | Mute EQ contour Coverage IntelliMix |
|------------------|---|
| Settings < | |
| General | General |
| Firmware | Automatic coverage: On |
| Network | Turning off automatic coverage will allow the use of steerable lobes to configure this microphone |
| IP configuration | Device name MXA920-S-ff89ff Push to Dante |
| Security | Dante device name |
| Permissions | MXA920-S-ff8c4b |

- 2. To add more coverage areas, go to **Coverage > Add coverage**.
- Go to Auto Mode Settings > Channel > Channel Configure in MT300 > select Coverage as Pickup Mode: The coverage areas you have added in the MXA920's web application correspond to MT300 channel 1-8.

| Auto Mode Se | ettings | Manual Mod | e Settings | | | |
|----------------------|-----------|-------------|-----------------|------------------|----------|-------------------------------------|
| Select Output Layout | | G2 - TR315N | | | | Q E.g., Preset 1, Channel 2 or Zone |
| Single | ~ | Channel | Active Position | | | Channel Configure 🚺 Time |
| | | Microphone | | Human tracking 🌘 |) Rei | |
| Select group | ? Group + | Channel 1 | Preset 0 V | Off | ~ | |
| G2 | • MIC | Channel 2 | Select preset | Off | ~ | |

4. Turn on Enable advanced talker position to detect voice.



Yamaha

RM-CG Ceiling Array Microphone RM-TT Tabletop Array Microphone RM-CR Remote Conference Processor

RM-W Wireless Microphone System

 MT300 divides RM-CG's horizontal angles into 8-24 equal parts, which correspond to MT300 channel 1-24.



- MT300 voice tracking function requires linking more than one RM-TT or RM-W microphones for location data.
- When linking RM-TT or RM-W microphones to the RM-CR Remote Conference Processor, enter the processor's IP address in the **IP Address** field when adding microphones in MT300.

| Add New Device | | | | | | | |
|-----------------------|--------|--|--|---|--|--|--|
| Select Camera or Micr | ophone | | | | | | |
| Microphone | | | | ~ | | | |
| Microphone Brand | | | | ~ | | | |
| IP Address | | | | Ŷ | | | |
| Device Name | | | | Ċ | | | |
| c | ancel | | | | | | |

Access the Web Interface

To access the web interface of the Matrix Tracking Box, you can use any of the following software to find its IP address:

- AVer Device Utility
- AVer Enterprise Management

Note:

- The PoE+ port defaults to a static IP address of 192.168.1.168, while the Ethernet port uses DHCP.
- The MT300 default username and password is admin/admin.

AVer Device Utility

| Netw | | | | | | | |
|---|--|-----------------|-------------|---|-------------|---------------------------------------|-------------------|
| Inte | I(R) Ethernet C | onnection (2) I | 219. v Sear | ch | | | 0 |
| No. | Status | Progress | Model Name | Device Name | FW version | IPv4 Address | MAC Address |
| | Working | | TR535 | TR535 | 0.0.0000.25 | 10.100.90.45 | 00:18:1a:e2:e0:72 |
| | Working | | VB370A | VB370A | 0.1.1002.58 | 10.100.90.17 | 36:69:88:11:11:2a |
| | | | | | | | |
| Setti Devi | ng ice Name: | | | IP Address | s: | | |
| Settin Devi | ng ice Name: | | | IP Address Mask: | 5: | · · · | |
| Settin Devi © D) S - Loo | ng ice Name: DHCP Static IP ain | | | IP Address Mask: Gateway: | 32 · · · | · · · | |
| € Devi Settin Devi 0 D 0 S - Log Us | ng ice Name: DHCP Static IP gin er ID | Pa | ssword | IP Address Mask: Gateway: Primary Di | s: . | · · · · · · · · · · · · · · · · · · · | |

To access the web interface:

- 1. Download AVer Device Utility from AVer Download Center (<u>https://www.aver.com/download-center</u>) and launch the software.
- 2. Click Search to see available devices on the same local area network (LAN).

Note:

- Make sure your MT300 is connected to the internet.
- AVer Device Utility and camera must be on the same LAN.
- Double-click on your MT300's IP address in the IPv4 Address column to open the web interface in your browser.

When you log in for the first time:

You'll be prompted to change the username and password.

- Username: Use 1-32 characters.
- Password: Use 8-32 characters and a combination of uppercase letters, lowercase letters, numbers, and symbols (%+=,-_^/@.~). The password cannot be the same as the username.

To change your network to DHCP or static IP:

- 1. Select the checkbox of your camera.
- 2. Enter the default or changed username and password in the Login field.
- 3. Select DHCP or Static IP, then enter your network settings if applicable in the Settings section.
- 4. Click Apply.

AVer Enterprise Management

| 🙀 AVer Enter | prise Management | | | | | | | | | | | | | - 1 | |
|--------------|------------------|---|------|-------------|--------|-------------|---|--------------|----------|---------|----------|---------|------|-----------|---|
| AVer | • | | | <u>191</u> | Device | | Ö | Setup | 👗 Mana | agement | | | | | 0 |
| | Device | | | | | | | | | | | | | | |
| | Group | | Add | Delete |] | | | | | Sort | NDI Mana | iger | Edit | Go To Web | |
| | All Devices | | Item | Device Name | | IP Info. | | Device Model | Hostname | | Status | Remarks | | | |
| | | | | PTC310HWV2 | | 10.100.90. | | PTC310HWV2 | | | | | | | |
| | | - | | VC520 Pro3 | | 10.100.90.3 | | VC520 Pro3 | | | | | | | |
| | | | | | | | | | | | | | | | |

Note: AVer Enterprise Management default username and password is admin/admin.

- 1. Download AVer Enterprise Management from AVer Download Center (<u>https://www.aver.com/download-center</u>) and launch the software.
- 2. Log in with the default username and password admin/admin.
- Go to Setup > Add, then click Auto Search to see available devices on the same local area network (LAN).
- 4. Click to select your camera, enter the default or changed camera username and password, then click **Save** to add the camera to the device list.
- 5. Select the checkbox of your camera, then click **Go to Web** button to open the web interface in your browser.

Set up Your MT300

MT300's built-in Live Mode, Manual Mode and Auto Mode help you present video feeds in a single stream composited gallery, follow the presenter in real time as they move, or frame the active talker.

Compare MT300 Modes

| | Live Mode | Manual Mode | Auto Mode Channel | Auto Mode Active Position |
|---|-----------|-------------|----------------------|------------------------------|
| Live view camera count | 4 | 4 | 4 | |
| Profiles | | 36 | 36 | 36 |
| Presets | | 256 | 256 | |
| AVer camera + microphone groups | | | 25 | |
| Human Tracking | | ✓ | \checkmark | |
| 3 rd -party microphone integration | | | ~ | ✓ |
| X, Y, Z coordinates report | | | | ✓ |

Human Tracking

Human Tracking includes Presenter, Zone, Segment (supported models), and Hybrid Modes. Make sure you have configured required modes on the camera web interface.

For supported AVer cameras, refer to <<u>Supported AVer Devices</u>>. For tracking mode settings, refer to your camera's user manual.

Auto Mode (Channel) with Presenter Mode example:







Channel 1 detects voice

Camera moves to preset 1 Presenter Mod

Presenter Mode is turned on

1. Microphone channel 1 and preset 1 have been set to the whiteboard.

2. Select Presenter from the Human tracking drop-down list.

3. When microphone channel 1 picks up audio from the presenter, the camera will move to preset 1. Presenter Mode frames and follows the presenter on screen.

Add a Device



To add cameras and microphones:

1. Click Add Device.

Or click the **Settings** icon $\{\hat{c}\}$ on the top-right corner > **Device** > **Add device**.

2. Fill out the Add New Device dialog box.

| Item | Description |
|---|--|
| Select Camera or Microphone | Add a camera or a microphone. |
| Connect Camera | IP: Connect to Ethernet or PoE+ port. USB Port 1 and 2: Stream video. USB Port 3: Stream audio and video. HDMI: Select Control via IP for Human Tracking functions. |
| Microphone Brand | Non-AVer camera via IP: Select Streaming via RTSP and enter RTSP URL or Streaming via NDI and enter NDI group. Note: Only Live Mode and Manual Mode are available for Non-AVer cameras |
| IP Address | Click Auto Search or enter IP address |
| Camera Account Camera Password | Enter camera account and password. |
| Streaming via RTSP Streaming via NDI | Real-Time Streaming Protocol (RTSP): Make sure your camera and receiving device or application support RTSP. Network Device Interface (NDI): Make sure your camera and receiving device or application support NDI. Enter a name for your NDI group (optional). |
| Device Name | Enter a name to be displayed on the device list. |

3. Click Save. You can add up to 25 cameras and 25 microphones via USB, HDMI and IP.

To edit devices:

- 1. Hover over the device and click the **Pencil** icon.
- 2. Edit device in the dialog box and click Save.



To delete devices:

Hover over the device and click the Trash can icon.



User Interface



1. Live Mode Toggle

2. Select Profile

- A profile can include both Auto Mode and Manual Mode settings, but only one mode is applied at a time.
- To switch modes, click the **Settings** icon $\xi_{0}^{(2)}$ > **Profile**.

3. Pause / Resume Voice-Tracking

4. Device Count

Online device / added device count.

5. Account

Switch between admin and user accounts. A user can use voice-tracking but cannot edit settings.

- 6. Settings
- 7. Live View

Live Mode

See camera live views, change layouts, and use pan, tilt, zoom controls.



- 1. Toggle on Live Mode.
- 2. Select a layout.
- Drag and drop a camera from Select Camera to a live view grid.
 A blue circled number will appear on the camera icon to indicate the grid position.

To control a camera:

- Click to select a live view. The selected live view will be in a blue frame.
- Click a number to load a preset.
- Click the Camera Switch Button I (TR535, TR535N only) to switch between PTZ camera and Wide-Angle camera.
- Toggle off Live Mode to exit Live Mode. Live Mode settings are saved automatically. Your last selected profile in Setting ⁽²⁾/₍₂₎ > Profile will be applied when you return to the main page.
- To clear settings, click Reset to reset Live Mode to factory default settings.

Manual Mode

Use presets and Human Tracking modes to follow the presenter in real time as they move. Make sure you have defined required presets and configured required modes on the camera web interface.

| Device | Profile 1 🗸 🗸 | |
|---------|--------------------|----------------------|
| Profile | Auto Mode Settings | Manual Mode Settings |

- 1. Click the **Settings** icon $\{3, 5\}$ on the top-right corner **> Profile > Manual Mode Settings**.
- 2. Create a profile.

Choose a profile from the **Profile** drop-down list. To rename it, scroll to the bottom and click **Rename.**

Note: A profile can include both Auto Mode and Manual Mode settings, but only one mode is applied at a time.

3. Select a live view layout for up to 4 cameras, then select Camera, Preset, Human Tracking.

| Profile 1 | ~ | | 88 |
|----------------------|------------|---|----|
| Auto Mode Settings | Manual Mod | le Settings | |
| | | | |
| Select Output Layout | | | 0 |
| Quad View | ¥ | Camera Preset Human tracking | |
| | | 1 Res Auditorium V Preset 1 V Zone V Set preset | |
| 1 | 2 | 2 🛤 Meeting Room A 🗸 Preset 3 🗸 Off 👻 Set preset | |
| , | | 3 ∰na Meeting Room B ∨ Preset 5 ∨ Presenter ∨ Sat preset | |
| | 4 | | |
| 3 | 4 | 4 🔤 × No device selected × Select preset × Off × Set preset | |
| |] | | |
| | | | |

The profile is saved and applied automatically when you close the **Profile** page by clicking X.
 Your Manual Mode profile will now be applied.



Add a Preset

You can also add presets on MT300.

| Profile | 1 | ~ | | | | | | | | | | e |
|---------|----------------------|-------|-------------|-------|---------|---|---------------|---|-----|---|------------|---|
| | Auto Mode Settings | Manua | I Mode Sett | tings | | | | | | | | |
| | | | | | | | | | | | | |
| | Select Output Layout | | _ | | | | | | | | | |
| | Quad View | | | | | | | | | | | |
| | | | ו | 1 🕰 (| M10V_IP | ~ | Select preset | ~ | | ~ | Set preset | |
| | | 2 | | | U1 | ~ | Select preset | ~ | | | | |
| | ļ | | | 3 🕮 | U3 | • | Select preset | ~ | Off | • | Set preset | |

- 1. Click Set preset to add presets.
- 2. Position your camera using pan, tilt, zoom controls, click a number, then click **Save** to save that position.
- 3. Position your camera using pan, tilt, zoom controls, click a number, then click **Save** to save that position.
- 4. Click **Back** to return to the **Profile** page.



Auto Mode (Channel)

Frame the active talker with voice-tracking functionality by linking AVer cameras with third-party microphone systems (supported models) from Audio-Technica, Biamp, Bosch, ClearOne, Nureva, Sennheiser, Shure and Yamaha.

Third-party microphone systems may require setup in their manufacture software. For microphone settings, refer to <<u>Supported Microphones</u>>.



- 1. Click the Settings icon $\{0, 0\}$ on the top-right corner > Profile > Auto Mode Settings.
- 2. Create a profile.

Choose a profile from the **Profile** drop-down list. To rename it, scroll to the bottom and click **Rename.**

Note: A profile can include both Auto Mode and Manual Mode settings, but only one mode is applied at a time.

 Select a layout for up to 3 cameras, then add up to 25 AVer camera and microphone groups. Refer to <<u>Select Group Panel</u>> for layout details.

| Profile 1 🗸 |] | 8 ⊗ |
|--|--------------------------------------|-----|
| Auto Mode Settings | Manual Mode Settings | |
| Select Output Layout Single Add Device Group Group Name Select Camera Select MIC Select MIC Add Group Add Group | No camera nor microphone paired yet. | |

4. Added device groups will appear under Select group.

You can also assign a priority Group if multiple device groups share the same camera. Refer to <<u>Assign a Priority Group</u>>.

| Profile 1 | | | | | | 8 | 8 |
|------------------------|-------------------|-----------------|---|------------------|--|-------------------------------------|-----|
| Auto Mode Settings | Manual Mode | Settings | | | | | |
| Select Output Layout | Auditorium - DL10 | | | | | Q E.g., Preset 1, Channel 2 or Zone | î î |
| Active Speaker V | Channel | Active Position | | | | C Time | |
| | Microphone | | | Human tracking 🏮 | | | |
| Select group ? Group + | Channel 1 | Select preset | ~ | | | | |
| Auditorium | Channel 2 | Select preset | ~ | | | | |
| Meeting room A | Channel 3 | Select preset | ~ | | | | |
| Meeting room B | Channel 4 | Select preset | ~ | | | | |
| | Channel 5 | Select preset | ~ | | | | |

5. Select a device group to pair microphone channels with presets. A blue frame indicates that it is selected.

| Select Output Layout Active Speaker | × I | Meeting room A - | PTC310UV2 | | | | | Q, E.g., Preset 1, Channel 2 or Zone |
|--|---------|------------------|-----------------|---|------------------|---|------------|--------------------------------------|
| 0-1 | | Channel | | | | | | Channel Configure 🚺 Time |
| Select group | Group + | Microphone | Camera | | Human tracking 🌖 | | Remarks | |
| Auditorium | ● MIC | Channel 1 | Preset 1 | ~ | Presenter | ~ | Whiteboard | |
| Meeting room A | • MIC | Channel 2 | Preset 2 | ~ | Zone | ~ | Front door | |
| Meeting room B | • MIC | Channel 3 I | i Select preset | ~ | | | | |

- 6. Select a preset and Human Tracking mode for each channel.
- 7. Add remarks to help identify the location.

8. Click **Channel Configure** to select a pickup mode based on your microphone setting. Then click **Save**.



9. Click the **Time** button **O** Time to set a delay before the camera goes to a preset.

| Time to trigger Preset | | | | | |
|--|--------|--------------|---|--|--|
| | | | | | |
| 1 sec | | | ~ | | |
| | | | | | |
| Multiple Speakers Mode b | ehavic | or 🚯 | | | |
| Off | | | ~ | | |
| Count speaker by audio sigr | nal | | | | |
| Only count the channel with | preset | position | | | |
| Time to trigger | | Time to quit | | | |
| | ~ | | ~ | | |
| | | | | | |
| | | | | | |
| Time to go to Preset 0 | | | | | |
| Disable | | | ~ | | |
| | | | | | |
| | | | | | |
| The number in seconds needs bigger than "Time to trigger preset" | | | | | |
| | | <u>,</u> | | | |
| | | | | | |
| Cancel | | Save | | | |

| Item | Description |
|------------------------------------|---|
| Time to trigger Preset | Set a delay before the camera goes to a preset. |
| Multiple Speakers Mode behavior | When multiple voices are detected, Multiple Speakers Mode activates and the camera goes to preset 0 of the last camera to minimize disorienting movements. Refer to < <u>Multiple Speakers Mode</u> <u>Conditions</u> > for details. |
| | Enable Multiple Speakers Mode by selecting Back to Preset 0. You can also assign a different preset for the camera to go to. Refer to <<u>Assign a Priority Group</u>.> |
| Time to go to Preset 0 | Set a delay before the camera goes to preset 0 of the last camera when the microphone detects no sound. |
| | You can also assign a different preset for the camera to go to. Refer to <<u>Assign a Priority Group</u>.> |

| | • The duration of Time to go to Preset 0 must be longer than Time to trigger Preset . |
|---|---|
| Far end speakers trigger Preset 0 (Sennheiser microphones only) | If the microphone detects voice from the far end of the room, such as during a video conference, the camera will go to preset 0 of the last camera. |
| | You can also assign a different preset for the camera to go to. Refer to <<u>Assign a Priority Group</u>.> |

10. An **audio signal** icon will identify which channels detect voice, while a blue highlight will indicate an active channel.

| Channel | | | () Time |
|-------------|-------------|----------------------------|---------|
| Microphone | Camera | Human tracking 👔 🛛 Remarks | |
| Channel 1 | II Preset 1 | Presenter whiteboard | |
| Channel 2 I | Preset 2 | Zone front door | |

11. The profile is saved and applied automatically when you close the **Profile** page by clicking X. Your Auto Mode profile will now be applied.



Select Group Panel



1. Select Output Layout

Single



Sideby-side



53

Active speaker

Dynamically displays the current active channel in the top grid.



Picture-in-Picture (PIP)



Hybrid

Pins a group to the top grid while displaying up to 3 active channels. If no group is pinned, the hybrid view defaults to the active speaker view.



2. Camera status

Click the **question mark** icon ? for descriptions.

| lcon | Status |
|------|---------------------------------|
| | Camera is sending data to MT300 |
| 2 | Device online |
| | Device offline |
| 2 | Incorrect account or password |

3. Group +

Add a camera and microphone group.

4. Hamburger Menu

Hover your cursor over a device group to see the hamburger menu.

- Set preset: Add camera presets.
- Edit group
- Delete group
- Group overlay priority: Assign a priority group ★.
- Pin this group (Hybrid layout only): Pin a group to the top grid.

5. Toggle

Enable or disable a device group.

6. Microphone Status

- Green: Online
- Gray: Offline

Assign a Priority Group



You can assign a priority group for the camera to go to when:

- Multiple groups share a camera.
- Microphone detects no sound (default preset 0).
- Multiple Speakers Mode activates (default preset 0).
- Microphone detects far end speakers (Sennheiser microphones only, default preset 0)
- 1. Hover the cursor over a group, then click the **hamburger** icon \blacksquare .
- 2. Select **Priority**. The **star** icon ★ will indicate a priority group.
- 3. To cancel priority, deselect Priority.

Multiple Speakers Mode Conditions

| Conditions | Enter Mode | Leave Mode | |
|--|---|---|---|
| Active channel | 3 active channels are | Fewer than 3 active | Time to trigger Preset |
| (default) | active in a set time (Time to trigger). | channels are active in a set time (Time to quit). | 1 sec ✓ Multiple Speakers Mode behavior ● Back to Preset 0 ✓ Count speaker by audio signal ● Only count the channel with preset position ● Time to trigger Time to quit 10 secs ✓ |
| Active channel with preset | 3 active channels with presets are active in a set time (Time to trigger). | Fewer than 3 active channels with presets are active in a set time (Time to quit). | Time to trigger Preset 1 soc Multiple Speakers Mode behavior Back to Preset 0 Court speaker by audio signal Ordy count the channel with preset position Time to trigger Time to trigger Time to quat 10 socs V 10 socs V |
| Audio signal channel | 2 or more audio signal | 1 or no audio signal | Time to trigger Preset |
| Suitable for gooseneck discussion units | the same time. | same time. | Multiple Speakers Mode behavior Back to Preset 0 Gount the channel with preset position Time to trigger Time to trigger Time to trigger Time to trigger Time to secs Time to |
| Audio signal channel with preset Suitable for gooseneck discussion units | 2 or more audio signal channels with presets are active at the same time. | 1 or no audio signal channel with preset is active at the same time. | Time to trigger Preset 1 sec * Multiple Speakers Mode behavior Back to Preset 0 Court speaker by audio signal Only court the channel with preset position Time to trigger Time to trigger Time to trigger * * * * * * * * * * * * * * * * * * |

Note: The durations of Time to trigger and Time to quit must each be at least 3 times that of Time to trigger preset.

Auto Mode (Active Position)

| Device | Profile 3 ~ | | 0 S |
|---------------|------------------------|-------------------------------------|--------------|
| Profile | Auto Mode Settings | Manual Mode Settings | |
| Video & Audio | Select Output Layout | SHIIRE AP . TR311HMA/2 | |
| Network | | Channel Active Position | () Time |
| System | Select group ? Group + | Position view Coverage not assigned | Re-configure |
| Help | TR311HWV2 • MIC | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Active Position reports active talker positions from supported microphones in the form of X, Y, Z coordinates to deliver enhanced camera tracking.

Supported Devices

USB- and IP-connected supported AVer Devices

Shure® MXA920-S / MXA920-R Ceiling Array Microphone

Square Microphone Calibration

- 1. Make sure the camera has been paired with a microphone.
- 2. Click to select a device group. A blue frame will indicate that it is selected.

| Select Output Layout Active Speaker | ~ | Meeting room A - F | PTC310UV2 | | | | | Q E.g., Preset 1, Channel 2 or Zone |
|--|-----------|--------------------|-----------------|---|------------------|---|------------|-------------------------------------|
| Select group | a com t | Channel | Active Position | | | | | Channel Configure C Time |
| Select group | | | Camera | | Human tracking 🔒 | | | |
| Auditorium | - MIC | Channel 1 | Preset 1 | ~ | Presenter | ~ | Whiteboard | |
| Meeting room A | ● MIC | Channel 2 | Preset 2 | ~ | Zone | ~ | Front door | |
| Meeting room B | • MIC | Channel 3 | Select preset | ~ | | | | |

Click the Active Position tab and follow the setup wizard.
 Click the question mark 1 in the top-right corner for instructions.

| Select the way camera is installed | |
|--|------|
| Upright ~ | |
| 1-2-3-4 | Next |



Dragging the red dot to align the red line to the top or bottom edge of the microphone.



The microphone doesn't need to be in the center of the live view, as long as the red line is aligned to the edge. Adjust the camera angle using pan, tilt and zoom controls, if the microphone appears at a slight angle.



Starting from the top left, locate 3 microphone corners in a clockwise direction with a red cross.



Click Set. The saved location will appear in the thumbnail.



Finally, locate the logo on the microphone to indicate its orientation. Depending on the

microphone orientation, the logo corner may be the same as one of the 3 corners.





Click Next after locating 3 corners and the logo. Or click Reset to relocate all of them.

Make sure the red cross appears in the center of the microphone, and click **Save**. Or click **Back** to reconfigure.

Round Microphone Calibration

- 1. Make sure the camera has been paired with a microphone.
- 2. Click to select a device group. A blue frame will indicate that it is selected.

| Select Output Layout Active Speaker | ~ | Meeting room A - F | PTC310UV2 | | | | | Q E.g., Preset 1, Channel 2 or Zone |
|--|-------|--------------------|-----------------|---|------------------|---|------------|-------------------------------------|
| Select group | | Channel | Active Position | | | | | Channel Configure 🚺 Time |
| | | | Camera | | Human tracking 🔒 | | | |
| Auditorium | - MIC | Channel 1 | Preset 1 | ~ | Presenter | ~ | Whiteboard | |
| Meeting room A | • MIC | Channel 2 | Preset 2 | * | Zone | ~ | Front door | |
| Meeting room B | • MIC | Channel 3 | Select preset | ~ | | | | |

Click the Active Position tab and follow the setup wizard.
 Click the question mark 1 in the top-right corner for instructions.

| Select the way camera is installed | × |
|------------------------------------|------|
| Upright | |
| 1-2-3-4 | Next |



Dragging the red dot to align the red lines to the top and left edge of the inner diameter so that the red cross appears at the center.



Locate the top point of the inner diameter with the red cross.



Click to mark the position of the LED.



Make sure the red cross appears in the center of the microphone, and click **Save**. Or click **Back** to reconfigure.

Add a Coverage Area

- 1. On the MXA920 web application, go to Settings > General > Automatic coverage.
- 2. Turn on **Automatic coverage** to add a mix of up to 8 dynamic and dedicated coverage areas,. The default setting is a 30 by 30 foot (9 by 9 meter) dynamic coverage area.

| MXA920-S-ff89ff | Mute EQ contour Coverage IntelliMix |
|------------------|---|
| Settings < | |
| General | General |
| Firmware | Automatic coverage: On |
| Network | Turning off automatic coverage will allow the use of steerable lobes to configure this microphone |
| IP configuration | Device name MXA920-S-ff89ff Push to Dante |
| Security | Dante device name |
| Permissions | MXA920-S-ff8c4b |

- 3. To add more coverage areas, go to Coverage > Add coverage.
- 4. Go to Active Position tab > select Coverage not assigned to use all coverage areas. Or select a coverage area that you have added in the web application from the drop-down list. Talker positions outside of the selected coverage area won't be picked up by MT300.

| Meeting room A - | PTC310UV2 | | | |
|------------------|-----------------|-----------------------|---|----------------|
| Channel | Active Position | | | () Time |
| Position view | | Coverage not assigned | ~ | Re-configure |
| | | Coverage not assigned | | |
| | | Coverage 1 | | |
| | | Coverage 2 | | |
| | | Coverage 3 | | |
| | | Coverage 4 | | |
| | | Coverage 5 | | |
| | | Coverage 6 | | |
| | | Coverage 7 | | |
| | | Coverage 8 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

5. To change coverage areas, click Re-configure.
The profile is saved and applied automatically when you close the **Profile** page by clicking X.
 Your Auto Mode profile will now be applied.



MT300 System Settings

Video & Audio

| Dautea | | | 8 |
|---------------|-----------------------------|---------|---|
| Device | 4Mbps | | 1 |
| Profile | Encoding Type | | |
| Video & Audio | H 264 | | · |
| Network | Rate Control | | |
| HEIHOIK | CBR | | |
| NDI | LVOP Interval (S) | | - |
| System | 1 0- | — 10 1S | |
| Helo | | | |
| | USB Output | | |
| | Auto | | |
| | | | |
| | Switching Camera Delay Time | | |
| | Off | | |
| | | | |
| | Audio Output | | |
| | Enable UAC | • | • |
| | 2 way UAC | | |
| | | | |

Video Output

| Item | Description |
|------------------------------|---|
| HDMI Video Output Resolution | Choose a video output resolution. |
| Stream Video Output | Choose a streaming output resolution for the live view. |
| Framerate | Choose a framerate. |
| Bitrate | Choose a bit rate. |
| Encoding Type | Choose H.264 or H.265 . |
| Rate Control | Choose Variable Bit Rate (VBR) or Constant Bit Rate (CBR). |
| I-VOP Interval (S) | Drag the slider to choose how often I-VOPs appear in a video |
| | stream. |
| | Shorter I-VOP intervals result in higher video quality but |
| | also larger file sizes. |
| USB Output | Choose a USB output source. |
| | Auto: Automatic detection. |
| | USB #1: USB out port 1. |
| | USB #2: USB out port 2. |
| Switching Camera Delay Time | Choose a delay time to avoid displaying the live view when the |
| | camera is in motion; it will refresh once the delay time is up. |

Audio Output

| Item | Description |
|------------|--|
| Enable UAC | Enable 1-way audio input from the camera to the computer. |
| 2-way UAC | Enable audio input from the computer to speaker connected to |
| | the USB port 3 on MT300. |

Network

| Device | Network Settings |
|---------------|------------------|
| Profile | Defa (I AM1) |
| Video & Audio | |
| | |
| Network | Hostname |
| NDI | Aver |
| | |
| System | |
| Help | |
| | |
| | |
| | |
| | |
| | |
| | |
| | Contem |
| | Ethernet (LAN2) |
| | IP Address |
| | 162.168.168 |
| | Netmask |
| | |

PoE+ (LAN1)

| Item | Description |
|------------|--|
| DHCP | Toggle DHCP on or off. |
| Hostname | Enter a hostname that is displayed on devices such as an IP router.The default is AVer. |
| IP Address | Enter your network settings to set up a static IP connection. Toggle off |
| Netmask | DHCP first. |
| Gateway | |
| DNS | |

Ethernet (LAN2)

| Item | Description |
|------------|---|
| IP Address | Enter your network settings to set up a static IP connection. |
| Netmask | |
| Gateway | |
| DNS | |

RTMP Settings

Stream live video to a video platform such as YouTube.

To enable live streaming on YouTube:

- 1. Go to YouTube.
- 2. From the top right, click **Create** > **Go live**.
- 3. Copy and paste your YouTube server URL and stream key into the web interface.
- 4. Click Start Stream to start streaming, Stop to stop streaming.

RTSP Settings

Turn on Real-Time Streaming Protocol (RTSP) Security to protect your video stream on media players such as VLC, PotPlayer and QuickTime by ensuring that only authorized users can access it.

- When RTSP Security is turned off, enter your camera's RTSP URL into the media player. RTSP URL: rtsp://[camera IP address]/live_st1
 - Example: rtsp://192.168.1.100/live_st1
- When RTSP Security is turned on, enter your camera's RTSP URL and username/password into the media player.

RTSP URL: rtsp://[username:password]@[camera IP address]/live_st1

- Example: rtsp://1:1@192.168.1.100/live_st1
- username/password: camera's username/password (web interface login)

HLS Settings

Configure HTTP Live Streaming (HLS) settings to provide adaptive bitrate streaming, which ensures smooth playback and minimizes buffering.

- 1. Enter the stream URL obtained from the streaming service or server.
- 2. Click Start Stream to start streaming, Stop to stop streaming.

HTTP Settings

Set a TCP Command String Control Port number. The default is 1315.

HTTPS

Enable HTTPS to establish a secure connection between your browser and your camera. To enable HTTPS access on your camera:

- 1. Obtain a SSL certificate for encryption and decryption in base-64 encoded format and use a private key in PKCS#8 format (unencrypted).
- 2. Package the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
- 3. Click **Browse** to select the certificate file, and then click **Upload**.
- 4. Turn on HTTPS.

NDI

Network Device Interface (NDI) protocol transmits high-quality, low-latency video and audio streams over IP networks.

Tracking box comes in two models: MT300 (without NDI) and MT300N (with NDI). To purchase NDI|HX upgrade, please visit NewTek Online Store (<u>https://store.newtek.com/ndi-hx-upgrade-for-cameras.html#</u>).

| Device | |
|---------------|----------------------------|
| | NDI Settings |
| Profile | Local Device Name |
| Video & Audio | Alter |
| Network | Device Channel (Device ID) |
| NUWOIK | MT300N |
| NDI | |
| System | Receive Circup |
| Help | Public |
| | |
| | Reliable UDP |
| | |
| | Discovery Server |
| | Discovery Server Address |
| | 192.168.1.10 |
| | |
| | |
| | Multicast Server |

| Item | Description |
|----------------------------|--|
| Local Device Name | Enter a name that identifies your camera group on the NDI software. |
| Device Channel (Device ID) | Enter a name that identifies your camera on the NDI software. The default is MT300 or MT300N. Use no more than 10 characters, upper and lowercase letters, numbers and punctuation marks (! @ % ^ , . / : + ? [] {}~). |
| Receive Group | Enter a name for a receive group. All devices in the receive group receive the same NDI streams. The receive group should remain public. If this is changed, you will need to join the group through NDI® Access Manager. |
| Reliable UDP | Enable Reliable User Datagram Protocol (RUDP) to improve streaming quality. |
| Discovery Server | Select the checkbox to enable discovery server to allow devices to discover and connect to each other on a network |

| | automatically. |
|--------------------------|---|
| Discovery Server Address | Enter the IP address of a server running a discovery server application. |
| Multicast Server | Select the checkbox to enable multicast server to allow efficient distribution of NDI streams to multiple receivers without overwhelming the network. |
| Multicast Server Address | Enter the IP address of a group of recipients that receive NDI streams from a multicast server. |
| Multicast Server Mask | Enter the network mask to specify the range of IP addresses that are eligible to receive NDI streams. |
| Multicast TTL | Enter a multicast time to live (TTL) value between 1-255 to control the distance multicast packets can travel. |

System

| Device | MT300 Information | | |
|---------------|----------------------|---------------------|---|
| Profile | | | |
| | Model Name | MT300N | |
| Video & Audio | IP Address | 10.100.105.25 | |
| Network | Serial Number | 5100425400002 | |
| | PoE+ MAC Address | 00:18:1A:0C:96:98 | |
| NDI | Ethernet MAC Address | 00:18:1A:0C:96:99 | |
| System | Firmware Version | 0.0.0000.44 | |
| | MCU Firmware Version | 36357235 | |
| Help | Upgrade firmware | | |
| | | Choose File Upgrade | |
| | | | |
| | Schedule | | |
| | Date/Time | 2 .4 | |
| | | Jei | |
| | Power Schedule | Set | |
| | | | |
| | Account | | |
| | | | |
| | Admin Account | | |
| | Username | | |
| | | | - |

| Item | Description |
|--------------------------|---|
| MT300 Information | Display MT300 information such as the IP address. |
| Upgrade Firmware | Download the latest firmware from AVer Download Center |
| | (https://www.aver.com/download-center). |
| Schedule | Date/Time: Set date and time for your tracking box. |
| | Power Schedule: Schedule specific times for your tracking box |
| | to start up, reboot, or shut down. |
| Account | Edit your admin and user account for login. |
| | • Admin: The default username/password is admin/admin. |
| | • User: The default username/password is user/user. |
| General | Language: Change the web interface language. |
| | Help us improve: Opt-in or opt-out of providing anonymous |
| | usage data. |
| | Factory default: Erase all data and settings and reset your |
| | tracking box to factory default settings. |
| | Reboot: Restart your tracking box. |
| Export / Import Settings | Export or import your tracking box settings and save debug files. |
| Shortcuts Key Setting | Set shortcuts for your USB keyboard or computer keyboard. You |
| | may set up to 36 shortcut keys. |
| Watermark Setting | Show or hide watermark on camera view. You may upload your |

| own watermark image, and select a watermark position from the | |
|---|--|
| drop-down list. | |
| Support file format: PNG only. | |
| • File size: Max. 2MB. | |

Help

| Device | Manual | About | Privacy Policy | Console | ⊗ |
|---------------|---------------------------|-------|----------------|---------|---|
| Profile | Hare Marriel | | | | |
| Video & Audio | Oser Manual | | | | |
| Network | Online Software User Manu | al | | Read | |
| NDI | | | | | |
| System | | | | | |
| Help | | | | | |
| | | | | | |

| Item | Description |
|----------------|---|
| Manual | View software user manual online. |
| About | View software terms and condition. |
| Privacy Policy | View software privacy policy. |
| Console | View and download real-time data on the camera-microphone action status |
| | for debugging purpose. |

Specifications

| DC Power | 12V/1.5A |
|-----------------------|--|
| PoE+ | 42.5-57V / 0.6A |
| Reset Button | Yes |
| USB Inputs | 3, Type-A for peripherals input #1,#2 are UVC only #3 can be UVC or UAC |
| USB Outputs | 2, Type-B for user application Non-simultaneous output Automatic switch to the port that is connected to host. Port #1 has higher priority if both ports are connected to host (PC or MTR),. Resolution, providing 4K, 1080p |
| | FPS: 15, 30, 60 |
| HDMI Inputs | 3 Input resolution: up to 1080p per channel |
| HDMI Outputs | 2 Simultaneous display, same configuration 1080p, 25Hz / 1080p, 50Hz / 1080p, 30Hz / 1080p, 60Hz / 4K, 25Hz / 4K, 50Hz / 4K, 30Hz / 4K, 60Hz |
| Ethernet | 2, 1 PoE+, 1 RJ-45 Max connection number: 5 (Web/RTSP/RTMP) Resolution, providing 1080p and 4K FPS: 1, 5, 10, 15, 30, 60 |
| LED Indicators | Yes |
| | Status, USB 1, USB 2, network 1, network 2 |
| Security | Kensington security lock |
| RS-422 | Yes |
| Operating Temperature | 0-50°c |
| Dimension | 4.3 x 21 x 15 cm (1.7 x 8.3 x 5.9 in.) |
| Installation | 2, mountable in a rack or under a table |

Specifications are subject to change without prior notice.

Troubleshoot

No human tracking.

- Make sure your camera supports human tracking. For supported AVer devices, refer to <<u>Supported AVer Devices</u>>.
- If your camera is connected via HDMI, make sure you select **Control via IP**. Hover over the device in the device list and click the **Pencil** icon to edit.

Camera is too sensitive and flickering between presets.

- Select a longer length of time for <u>Time to Trigger Preset</u>.
- If you camera is shared among several camera and microphone groups, assign a priority group.

Stop voice-tracking.

- Click the **voice-tracking** icon III on the main page to pause voice-tracking for the current profile.
- Mute the microphone by pressing its physical button or accessing its web interface.
- Use the toggle switch on the Select Group Panel to disable the group. Single video output: Audio is muted while video is still transmitting. Multiple video output: Both audio and video stop transmitting.

Appendix

HTTP Requests

| Function | Request | Description |
|----------------------|---|--------------------------------|
| Pause all groups | http://[account]:[password]@[IP | |
| | Address]/request=pause | |
| Resume all groups | http://[account]:[password]@[IP | |
| | Address]/request=resume | |
| Query pause status | http://[account]:[password]@[IP | |
| of all groups | Address]/request=queryPauseStatus | |
| Disable all groups | http://[account]:[password]@[IP | |
| | Address]/request=disableAll | |
| Enable all groups | http://[account]:[password]@[IP | |
| | Address]/request=enableAll | |
| Disable a specified | http://[account]:[password]@[IP | |
| group | Address]/request=disable&group=[Group ID] | |
| Enable a specified | http://[account]:[password]@[IP | |
| group | Address]/request=enable&group=[Group ID] | |
| Query status of a | http://[account]:[password]@[IP | |
| specified group | Address]/request=queryStatus&group=[Group | |
| | ID] | |
| Set profile | http://[account]:[password]@[IP | |
| | Address]/request= setProfile&profile=[number] | |
| Reboot | http://[account]:[password]@[IP Address]/cgi- | |
| | bin?OnePush=! | |
| Get power schedule | http://[account]:[password]@[IP Address]/cgi- | Hours are separated by a ", ". |
| | bin?GetData=sys_power_schedule | Days are separated by an "_". |
| Set power schedule | http://[account]:[password]@[IP Address]/cgi- | Hours are separated by a ", ". |
| | bin?SetData=sys_power_schedule,"0,1,0,1,1,1, | Days are separated by an "_". |
| | 1, | An "_" must precede the end |
| | 1, | quote. |
| | 1, | |
| | 1, | |
| | 1, | |
| | 1, | |
| | 1,1,1,1,1,1,1,1,1,1,0_" | |
| Get auto reboot | http://[account]:[password]@[IP Address]/cgi- | 0: disable |
| status | bin?Get=sys_reboot_time_en | 1: enable |
| Set auto reboot | http://[account]:[password]@[IP Address]/cgi- | 0: disable |
| status | bin?Set=sys_reboot_time_en,3,0 | 1: enable |
| | http://[account]:[password]@[IP Address]/cgi- | |
| | bin?Set=sys_reboot_time_en,3,1 | |
| Get auto reboot time | http://[account]:[password]@[IP Address]/cgi- | "02:00" |
| | bin?GetString=svs_reboot_time | |

| Set auto rebot time http://accounti[password]@[IP Address]/cgi- bin?SetEString=sys_rebot_time,'02:00" O: disable Get 2-way UAC http://accounti[password]@[IP Address]/cgi- bin?Set=TrKBox_two_way_uac_on_3.0 http://account]:password]@[IP Address]/cgi- bin?Set=TrKBox_two_way_uac_on_3.1 0: disable Get USB output http://accounti[password]@[IP Address]/cgi- bin?Set=TrKBox_two_way_uac_on_3.1 0: Auto Get USB output http://accounti[password]@[IP Address]/cgi- bin?Set=TrKBox_Usb_output_switch.3 0: Auto Set USB output http://accounti[password]@[IP Address]/cgi- bin?Set=TrKBox_Usb_output_switch.3.0 0: Auto http://accounti[password]@[IP Address]/cgi- bin?Set=TrKBox_Usb_output_switch.3.1 1: USB#1 2: USB#/2 Set USB output http://accounti[password]@[IP Address]/cgi- bin?Set=TrKBox_Usb_output_switch.3.2 Device Info: name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=online or offline Get device status http://accounti[password]@[IP Address]/request=getGeneralMode generalMode ID: 0 (profile mode), 1 (live mode) Set general mode http://accounti[password]@[IP Address]/request=getLiveMode generalMode ID: 0 (profile mode), 1 (live mode) Get live mode http://accounti[password]@[IP Address]/request=getLiveLayout generalMode ID: 0 (profile mode), 1 (live mode) Set general mode http:// | | | |
|---|------------------------|--|-----------------------------------|
| Intp://accountlipassword)@[IP Address]/cgi- bin?Get=TrkBox_Two_way_uac_on 0: disable Set 2-way UAC http://accountlipassword)@[IP Address]/cgi- bin?Set=TrkBox_Two_way_uac_on,3,0 0: disable Set 2-way UAC http://accountlipassword)@[IP Address]/cgi- bin?Set=TrkBox_Two_way_uac_on,3,1 0: Auto Get USB output http://accountlipassword)@[IP Address]/cgi- bin?Set=TrkBox_Us_output_switch 0: Auto Set USB output http://accountlipassword)@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,0 0: Auto Set USB output http://accountlipassword)@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,0 0: Auto http://accountlipassword)@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,2 0: Auto 0: Auto Get device status http://accountlipassword)@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,2 0: Device Info: name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=online or offline Get general mode http://accountlipassword]@[IP Address]/request=eqtGeneralMode 0 (profile mode), 1 (live mode) Set general mode http://accountlipassword]@[IP Address]/request=eqtLiveMode 1 (ive Layout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Get live mode layout http://accountlipassword]@[IP Address]/request=getLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(3) | Set auto reboot time | http://[account]:[password]@[IP Address]/cgi- | |
| Get 2-way UAC http://[account][password]@[IP Address]/cgi- bin?Get=TrkBox_Two_way_uac_on_3.0 1: enable Set 2-way UAC http://[account][password]@[IP Address]/cgi- bin?Set=TrkBox_Two_way_uac_on_3.1 0: disable Get USB output http://[account][password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch 0: Auto Set USB output http://[account][password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3.0 0: Auto Set USB output http://[account][password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3.1 0: Auto http://[account][password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3.2 0: Auto Get device status http://[account][password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3.2 Device Info: name=device name, type=camera or microphone, port-USB1-3.1 Get general mode http://[account][password]@[IP Address]/request=getGeneralMode Device Info: name=device name, type=camera or microphone, port-USB1-3.1 Set general mode http://[account][password]@[IP Address]/request=getGeneralMode generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account][password]@[IP Address]/request=estCeneralMode generalMode ID: 0 (profile mode), 1 (live mode) Get live mode layout http://[account][password]@[IP Address]/request=setLiveLayout liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main | | bin?SetString=sys_reboot_time,"02:00" | |
| bin?CetTrKBox_Two_way_uac_on 1: enable Set 2-way UAC http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Two_way_uac_on.3.0 0: disable Set USB output http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Usb_output_switch 0: Auto Set USB output http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Usb_output_switch.3.0 0: Auto http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Usb_output_switch.3.1 0: Auto http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Usb_output_switch.3.1 0: Auto http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Usb_output_switch.3.2 Device Info: name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=online or offline Get device status http://[account]:[password]@[IP Address]/request=getGeneralMode Device Info: name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=online or offline Get general mode http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) It:p://[account]:[password]@[IP Address]/request=nableLiveMode IIveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), M | Get 2-way UAC | http://[account]:[password]@[IP Address]/cgi- | 0: disable |
| Set 2-way UAC http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Two_way_uac_on,3,0 0: disable Get USB output http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Two_way_uac_on,3,1 0: Auto Get USB output http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,0 1: USB#1 Set USB output http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,0 0: Auto http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,1 0: Suto http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,2 0evice Info: name=device name, type=camera or microphone, port=USB1-3, HDMI1-3, or IP status=online or offline Get device status http://[account]:[password]@[IP Address]/request=getGeneralMode 0 Set general mode http:/[account]:[password]@[IP Address]/request=setGeneralMode 0 Set general mode http:/[account]:[password]@[IP Address]/request=enableLiveMode 0 Disable live mode http:/[account]:[password]@[IP Address]/request=enableLiveMode 0 Get live mode layout http:/[account]:[password]@[IP Address]/request=enableLiveMode 1 Set general mode http:/[account]:[password]@[IP Address]/request=enableLiveMode 1 Set live mode layout http:/[account]:[password]@[IP Addre | | bin?Get=TrkBox_Two_way_uac_on | 1: enable |
| bin?SetTrKBox_Two_way_uac_on.3.0 1: enable http://[account]:[password]@[IP Address]/cgi- bin?GetTrKBox_Tus_witch 0: Auto Set USB output http://[account]:[password]@[IP Address]/cgi- bin?GetTrKBox_Usb_output_switch.3.0 0: Auto Set USB output http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Usb_output_switch.3.0 0: Auto http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Usb_output_switch.3.1 0: Auto http://[account]:[password]@[IP Address]/cgi- bin?SetTrKBox_Usb_output_switch.3.2 Device Info: name-device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=onine or offline Get device status http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) Address]/request=getGeneralMode 10 (profile mode), 1 (live mode) 1 (live mode) Address]/request=getGeneralMode 10 (profile mode), 1 (live mode) 1 (live mode) Address]/request=getGeneralMode 10 (profile mode), 1 (live mode) 1 (live mode) Address]/request=getGeneralMode 10 (profile mode), 1 (live mode) 1 (live mode) Address]/request=setLiveLayout 1 (live cayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) | Set 2-way UAC | http://[account]:[password]@[IP Address]/cgi- | 0: disable |
| http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Two_way_uac_on,3,1 O: Auto Get USB output http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch 3,0 O: Auto Set USB output http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,1 O: Auto http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,1 I: USB#1 http:/[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,2 Device Info: name-device name, type=camera or microphone, port=USB1-3, HDM1+3, or IP status=online or offline Get device status http:/[account]:[password]@[IP Address]/request=getGeneralMode Device Info: name-device name, type=camera or microphone, port=USB1-3, HDM1+3, or IP status=online or offline Get general mode http:/[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode), 1 (live mode) Enable live mode http:/[account]:[password]@[IP Address]/request=enableLiveMode IIVELayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http:/[account]:[password]@[IP Address]/request=setLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5) Set live mode layout http:/[account]:[password]@[IP Address]/request=setLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5) Set live mode | | bin?Set=TrkBox_Two_way_uac_on,3,0 | 1: enable |
| bin?Set=TrkBox_Two_way_uac_on,1.1 O: Auto Get USB output http://(account):[password]@(IP Address)/cgi- bin?Get=TrkBox_Usb_output_switch,3.0 0: Auto Set USB output http://(account):[password]@(IP Address)/cgi- bin?Set=TrkBox_Usb_output_switch,3.0 0: Auto http://(account):[password]@(IP Address)/cgi- bin?Set=TrkBox_Usb_output_switch,3.1 1: USB#1 http://(account):[password]@(IP Address)/cgi- bin?Set=TrkBox_Usb_output_switch,3.2 0: Auto Get device status http://(account):[password]@(IP Address)/cgi- bin?Set=TrkBox_Usb_output_switch,3.2 0: Auto Get device status http://(account):[password]@(IP Address)/cgi- bin?Set=TrkBox_Usb_output_switch,3.2 0: Auto Get device status http://(account):[password]@(IP Address)/request=getGeneralMode Device Info: name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=online or offline 0 (profile mode), 1 (live mode) Address}/request=getGeneralMode 10 0 (profile mode), 1 (live mode) 1 (live mode) Set general mode http://(account):[password]@(IP Address)/request=ableLiveMode 1 (live mode) 1 (live mode) 1 (live mode) Disable live mode http://(account):[password]@(IP Address)/request=disableLiveMode IveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speak | | http://[account]:[password]@[IP Address]/cgi- | |
| Get USB output http://[account]:[password]@[IP Address]/cgi- bin?Get=TrKBox_Usb_output_switch,3,0 1: USB#1 Set USB output http:/[account]:[password]@[IP Address]/cgi- bin?Set=TrKBox_Usb_output_switch,3,0 0: Auto http:/[account]:[password]@[IP Address]/cgi- bin?Set=TrKBox_Usb_output_switch,3,2 0: Auto Get device status http:/[account]:[password]@[IP Address]/cgi- bin?Set=TrKBox_Usb_output_switch,3,2 0: Auto Get device status http:/[account]:[password]@[IP Address]/request=queryDeviceStatus Device Info: name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=online or offline Get general mode http:/[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) Address]/request=getGeneralMode Set general mode http:/[account]:[password]@[IP Address]/request=setGeneralMode&generalMode generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http:/[account]:[password]@[IP Address]/request=mableLiveMode juveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http:/[account]:[password]@[IP Address]/request=setLiveLayout&iveLayout=[ive Address]/request=setLiveLayout&iveLayout=[ive Address]/request=setLiveLayout&iveLayout=[ive Address]/request=setLiveLayout&iveLayout=[ive Address]/request=setLiveLayout&iveLayout=[ive Address]/request=setLiveLayout&iveLayout=[ive Address]/request=setLiveLayout&iveC], Main Speaker(3), Main Speaker(4), Quad View(5) | | bin?Set=TrkBox_Two_way_uac_on,3,1 | |
| bin?Get=TrkBox_Usb_output_switch 1: USB#1 Set USB output http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,0 0: Auto http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,1 1: USB#1 Address]/request=getsword]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,2 Device Info: name=device name, type=camera or microphone, port=USB1~3, HDM11~3, or IP status=online or offline Get device status http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (ive mode) Get general mode http:/[account]:[password]@[IP Address]/request=getGeneralMode&generalMode generalMode ID: 0 (profile mode), 1 (ive mode) Enable live mode http:/[account]:[password]@[IP Address]/request=adleneralMode generalMode ID: 0 (profile mode), 1 (ive mode) Disable live mode http:/[account]:[password]@[IP Address]/request=disableLiveMode liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http:/[account]:[password]@[IP Address]/request=getLiveLayout liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5) Set live mode layout http:/[account]:[password]@[IP Address]/request=setLiveLayout&iveLayout=[ive Address]/request=setLiveLayout&iveLayout[iveLayout] Set live mode layout http:/[account]:[password]@[IP Address]/request=setLiv | Get USB output | http://[account]:[password]@[IP Address]/cgi- | 0: Auto |
| Set USB output http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,1 0: Auto http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,1 1: USB#1 2: USB#2 Get device status http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,2 Device Info: name=device name, type=camera or microphone, port=USB1~3, HDM1~3, or IP status=online or or difine Get general mode http://[account]:[password]@[IP Address]/request=getGeneralMode Device Info: name=device name, type=camera or microphone, port=USB1~3, HDM1~3, or IP status=online or or difine Set general mode http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) Fenable live mode http://[account]:[password]@[IP Address]/request=setGeneralMode&BeneralMode generalMode ID: 0 (profile mode), 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=ableLiveMode I (live mode) Get live mode layout http:/[account]:[password]@[IP Address]/request=getLiveLayout liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http:/[account]:[password]@[IP Address]/request=getLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info | | bin?Get=TrkBox_Usb_output_switch | 1: USB#1 |
| Set USB output http://[account]:[password]@[IP Addressi/cgi- bin?5etTrKBox_Usb_output_switch,3,0 1: USB#1 http://[account]:[password]@[IP Addressi/cgi- bin?5etTrKBox_Usb_output_switch,3,2 2: USB#2 Get device status http://[account]:[password]@[IP Addressi/cgi- bin?5etTrKBox_Usb_output_switch,3,2 Device Info: name=device name, type=camera or microphone, port=USB1~3, HDMI1~3, or IP status=online or offline Get general mode http://[account]:[password]@[IP Addressi/request=getGeneralMode 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP Addressi/request=setGeneralMode generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP Addressi/request=setGeneralMode generalMode ID: 0 (profile mode), 1 (live mode) Disable live mode http://[account]:[password]@[IP Addressi/request=enableLiveMode liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), M | | | 2: USB#2 |
| bin?Set=TrkBox_Usb_output_switch,3,0 1: USB#1 http://[account]:[password]@[IP Address]/egi- bin?Set=TrkBox_Usb_output_switch,3,1 2: USB#2 Get device status http://[account]:[password]@[IP Address]/egi- bin?Set=TrkBox_Usb_output_switch,3,2 Device Info: name=device name, type=camera or microphone, port=USB1~3, HDM11~3, or IP status=online or offline Get general mode http://[account]:[password]@[IP Address]/request=getGeneralMode Device Info: name=device name, type=camera or microphone, port=USB1~3, HDM11~3, or IP status=online or offline Set general mode http://[account]:[password]@[IP Address]/request=getGeneralMode generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode generalMode ID: 0 (profile mode), 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout& Netp://[account]:[password]@[IP Address]/request=setLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP | Set USB output | http://[account]:[password]@[IP Address]/cgi- | 0: Auto |
| http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,1 http://[account]:[password]@[IP Address]/request=queryDeviceStatus Device Info: name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=colline or offline Get device status http://[account]:[password]@[IP Address]/request=getGeneralMode Device Info: name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=colline or offline Get general mode http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP Address]/request=setGeneralMode generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/request=setLiveLayout&[Iv Address]/reque | | bin?Set=TrkBox_Usb_output_switch,3,0 | 1: USB#1 |
| bin?Set=TrkBox_Usb_output_switch,3,1 http://laccount]:[password]@[IP Address]/cgi-bin?Set=TrkBox_Usb_output_switch,3,2 Get device status http://[account]:[password]@[IP Device Info: Address]/request=queryDeviceStatus name=device name, type=camera or microphone, port=USB1-3, HDMI1-3, or IP status=online or offline 0 (profile mode), 1 (live mode) Address]/request=getGeneralMode generalMode ID: Enable live mode http://[account]:[password]@[IP Address]/request=setGeneralMode& generalMode ID: Enable live mode http://[account]:[password]@[IP Address]/request=setGeneralMode 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode - Disable live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Ma | | http://[account]:[password]@[IP Address]/cgi- | 2: USB#2 |
| http://[account]:[password]@[IP Address]/cgi- bin?Set=TrkBox_Usb_output_switch,3,2 Device Info: name=device name, type=camera or microphone, port=USB1~3, HDMI1~3, or IP status=online or offline Get general mode http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode), Address]/request=getGeneralMode Set general mode http://[account]:[password]@[IP Address]/request=setGeneralMode generalMode ID: 0 (profile mode), 1 (live mode), Address]/request=setGeneralMode Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode generalMode ID: 0 (profile mode), 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP request=setLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5) | | bin?Set=TrkBox_Usb_output_switch,3,1 | |
| bin?Set=TrkBox_Usb_output_switch,3,2 Device Info: name=device name, type=camera or microphone, port=USB1~3, HDMI1~3, or IP status=online or offline Get general mode http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP Address]/request=setGeneralMode&generalMode generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode setus=online Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv eLayout ID] liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) | | http://[account]:[password]@[IP Address]/cgi- | |
| Get device status http://[account]:[password]@[IP Device Info: name-device name, type=camera or microphone, port=USB1-3, HDMI1-3, or IP status=online or offline Get general mode http://[account]:[password]@[IP 0 (profile mode), 1 (live mode) Address]/request=getGeneralMode generalMode ID generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP generalMode ID: 0 (profile mode), 1 (live mode) Disable live mode http://[account]:[password]@[IP status=online or offline Address]/request=enableLiveMode http://[account]:[password]@[IP status=online or offline Get live mode http://[account]:[password]@[IP status=online or offline Address]/request=enableLiveMode http://[account]:[password]@[IP status=online Address]/request=getLiveLayout liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http:/[account]:[password]@[IP status=online Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP response profile data array. array item: | | bin?Set=TrkBox_Usb_output_switch,3,2 | |
| Address]/request=queryDeviceStatus name=device name, type=camera or microphone, port=USB1-3, HDM1-3, or IP status=online or offline Get general mode http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP Address]/request=setGeneralMode&generalMod e=[generalMode ID] generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode set [set mode] Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode set [set mode] Get live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Quad View(5) liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=getLiveLayout& PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) | Get device status | http://[account]:[password]@[IP | Device Info: |
| type=camera or microphone, port=USB1~3, HDM11~3, or IP status=online or offlineGet general modehttp://[account]:[password]@[IP Address]/request=getGeneralMode0 (profile mode), 1 (live mode)Set general modehttp://[account]:[password]@[IP Address]/request=setGeneralMode&generalModegeneralMode ID: 0 (profile mode), 1 (live mode)Enable live modehttp://[account]:[password]@[IP Address]/request=enableLiveModegeneralMode ID: 0 (profile mode), 1 (live mode)Disable live modehttp://[account]:[password]@[IP Address]/request=edisableLiveModeset generalMode ID: 0 (profile mode), 1 (live mode)Get live mode layouthttp://[account]:[password]@[IP Address]/request=getLiveLayoutliveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speake | | Address]/request=queryDeviceStatus | name=device name, |
| Get general mode http://[account]:[password]@[IP Address]/request=getGeneralMode 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP Address]/request=setGeneralMode&generalMod e=[generalMode ID] generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode IveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Sp | | | type=camera or microphone, |
| Image: status = online or offline status = online or offline Get general mode http://[account]:[password]@[IP 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP generalMode 1D: 0 (profile mode), 1 (live mode) Address]/request=setGeneralMode&generalMod generalMode 1D: 0 (profile mode), 1 (live mode) 1 (live mode) Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode IveLayout: Get live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout IveLayout: Set live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout IveLayout: Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout& IveLayout: Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout& IveLayout: Address]/request=setLiveLayout&liveLayout=[liv iveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), | | | port=USB1~3, HDMI1~3, or IP |
| Get general mode http://[account]:[password]@[IP 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP generalMode ID: 0 (profile mode), 1 (live mode) Set general mode http://[account]:[password]@[IP generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP 1 (live mode) Enable live mode http://[account]:[password]@[IP 1 (live mode) Address]/request=enableLiveMode http://[account]:[password]@[IP IveLayout: Address]/request=disableLiveMode liveLayout: PIP(0), Set live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout Set live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout Set live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=getLiveLayout&liveLayout=[liv liveLayout: Set live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=setLiveLayout&liveLayout=[liv liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) | | | status=online or offline |
| Address]/request=getGeneralMode Set general mode http://[account]:[password]@[IP generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode Get live mode layout http://[account]:[password]@[IP liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) http://[account]:[password]@[IP liveLayout: PIP(0), Set live mode layout http://[account]:[password]@[IP liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) liveLayout: PIP(0), Single(1), Side-by-side(2), Query all profile info http://[account]:[password]@[IP Main Speaker(3), Main Speaker(3), Query all profile info http://[account]:[password]@[IP Main Speaker(3), Main Speaker(3), Address]/request=getLiveLayout3 response profile data array. response profile data array. response profile data array. | Get general mode | http://[account]:[password]@[IP | 0 (profile mode), 1 (live mode) |
| Set general mode http://[account]:[password]@[IP generalMode ID: 0 (profile mode), 1 (live mode) Enable live mode http://[account]:[password]@[IP 1 (live mode) Disable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode Get live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) liveLayout: Set live mode layout http://[account]:[password]@[IP liveLayout: PIP(0), Set live mode layout http://[account]:[password]@[IP Main Speaker(4), Quad View(5) liveLayout: Query all profile info http://[account]:[password]@[IP main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP main Speaker(4), Quad View(5) response profile data array. | | Address]/request=getGeneralMode | |
| Address]/request=setGeneralMode&generalMod e=[generalMode ID]1 (live mode)Enable live modehttp://[account]:[password]@[IP Address]/request=enableLiveMode-Disable live modehttp://[account]:[password]@[IP Address]/request=disableLiveMode-Get live mode layouthttp://[account]:[password]@[IP Address]/request=getLiveLayoutliveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5)Set live mode layouthttp://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv eLayout]D]liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5)Query all profile infohttp://[account]:[password]@[IP Address]/request=getLiveLayout&liveLayout=[liv eLayout ID]response profile data array. array item: | Set general mode | http://[account]:[password]@[IP | generalMode ID: 0 (profile mode), |
| e=[generalMode ID] Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode Get live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Query all profile info http://[account]:[password]@[IP Address]/request=gueryAllProfileTblnfo arravi tem: | | Address]/request=setGeneralMode&generalMod | 1 (live mode) |
| Enable live mode http://[account]:[password]@[IP Address]/request=enableLiveMode Disable live mode http://[account]:[password]@[IP Address]/request=disableLiveMode Get live mode layout http://[account]:[password]@[IP Address]/request=getLiveLayout liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), eLayout ID] Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv eLayout ID] liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), | | e=[generalMode ID] | |
| Address]/request=enableLiveModeDisable live modehttp://[account]:[password]@[IP Address]/request=disableLiveModeGet live mode layouthttp://[account]:[password]@[IP Address]/request=getLiveLayoutGet live mode layouthttp://[account]:[password]@[IP Address]/request=getLiveLayoutSet live mode layouthttp://[account]:[password]@[IP Address]/request=getLiveLayoutSet live mode layouthttp://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv eLayout:Set live mode layouthttp://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv eLayout ID]Query all profile infohttp://[account]:[password]@[IP Address]/request=queryAllProfileTblnfoQuery all profile infohttp://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo | Enable live mode | http://[account]:[password]@[IP | |
| Disable live modehttp://[account]:[password]@[IP Address]/request=disableLiveModeGet live mode layouthttp://[account]:[password]@[IP Address]/request=getLiveLayoutliveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5)Set live mode layouthttp://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv eLayout ID]liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5)Query all profile infohttp://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv eLayout ID]liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) | | Address]/request=enableLiveMode | |
| Address]/request=disableLiveMode IveLayout: Get live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) liveLayout: Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5) liveLayout: PUP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo response profile data array. | Disable live mode | http://[account]:[password]@[IP | |
| Get live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv liveLayout: PIP(0), Single(1), Side-by-side(2), Main Speaker(4), Quad View(5) liveLayout: PIP(0), Single(1), Side-by-side(2), Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo response profile data array. | | Address]/request=disableLiveMode | |
| Get live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) IveLayout: Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv liveLayout: Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) PIP(0), Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo response profile data array. | | | |
| Get live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) liveLayout: Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv liveLayout: Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) response profile data array. Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo array item: | | | |
| Get live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) liveLayout: Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv liveLayout: Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) response profile data array. Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo array item: | | | |
| Get live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) liveLayout: Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv liveLayout: Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo response profile data array. | | | |
| Address]/request=getLiveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Set live mode layout http://[account]:[password]@[IP Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo array item: | Get live mode layout | http://[account]:[password]@[IP | liveLayout: |
| Query all profile info http://[account]:[password]@[IP Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP IiveLayout: Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) | - | Address]/request=getLiveLayout | PIP(0), |
| Query all profile info http://[account]:[password]@[IP Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP IiveLayout: Address]/request=setLiveLayout&liveLayout=[liv PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Piper(1), Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo array item: | | - | Single(1), Side-by-side(2), |
| Main Speaker(4), Quad View(5) Set live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=setLiveLayout&liveLayout=[liv PIP(0), single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP response profile data array. Address]/request=queryAllProfileTblnfo array item: | | | Main Speaker(3), |
| Set live mode layout http://[account]:[password]@[IP liveLayout: Address]/request=setLiveLayout&liveLayout PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo array item: | | | Main Speaker(4), Quad View(5) |
| Address]/request=setLiveLayout&liveLayout=[liv eLayout ID] PIP(0), Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo response profile data array. array item: | Set live mode layout | http://[account]:[password]@[IP | liveLayout: |
| eLayout ID] Single(1), Side-by-side(2), Main Speaker(3), Main Speaker(4), Quad View(5) Query all profile info http://[account]:[password]@[IP Address]/request=queryAllProfileTblnfo array item: | | Address]/request=setLiveLavout&liveLavout=[liv | PIP(0), |
| Query all profile info http://[account]:[password]@[IP response profile data array. Addressl/request=queryAllProfileTblnfo array item; | | eLayout ID] | Single(1), Side-bv-side(2). |
| Query all profile info http://[account]:[password]@[IP response profile data array. Address]/request=queryAllProfileTblnfo array item: | | | Main Speaker(3). |
| Query all profile info http://[account]:[password]@[IP response profile data array. Address]/request=queryAllProfileTblnfo array item; | | | Main Speaker(4), Quad View(5) |
| Address/request=quervAllProfileTbInfo array item | Query all profile info | http://[account]:[password]@[IP | response profile data array |
| | ,,,,,,, | Address]/request=queryAllProfileTbInfo | array item: |

| | | <pre>{ "currentGroup":1, // current group ID "enableVoiceTracking":1, // pause or resume "isCurrent":1, // is current profile "layoutAuto":4, // auto mode layout "layoutManual":3, // manual mode layout "mode":0, // auto mode or manual mode "pid":1, // profile ID 1~36 "profileName":"", // profile name naming by user "profileOrder":1 } </pre> |
|--|---|--|
| Get current profile | http://[account]:[password]@[IP | auto or manual mode |
| mode | Address]/request=getMode | |
| Set current profile | http://[accountj:[password]@[IP | mode ID=0(auto mode), 1(manual |
| Query device status | http://[account]:[password]@[IP Address]/request=queryOnlineDevice | |
| Query live mode all layout settings | http://[account]:[password]@[IP Address]/request=queryLiveModeData | response live mode data array. array item: { "camView":0 /// camView: 0 (Single lens camera), 1 (The first lens of multi-lens camera), 2 (The second lens of multi-lens camera), "deviceTbCamDid":43, // camera ID "liveModeLayout":1, // layout ID: 0~5 "sourceOrder":1 // |

| | | } |
|---------------------------|--|---|
| Reset live mode data | http://[account]:[password]@[IP Address]/request=clearLiveModeData | |
| Get live mode device list | http://[account]:[password]@[IP Address]/request=queryLiveModeDeviceInfo | response live mode device array. |
| | | array item: { "camLensCount":1 // 0(Unknown), 1(Single lens camera), 2(Dual lens camera), "deviceTbCamDid":1, // camera ID "name":"USB1", // device name "port":"USB1", // device port or IP address(IP cam) "type":"camera" // device type |
| Set camera to live | http://[account]:[password]@[IP Address]/request=setLiveModeSource&liveLavo | liveLayout ID: 0~5 |
| mode layout source | ut=[liveLayout | deviceTbCamDid: camera ID |
| | ID]&srcOrder=[sourceOrder]&camDid=[deviceTb CamDid]&camView=[camView Index] | camView: 0(Single lens camera), 1 (The first lens of multi-lens camera), 2 (The second lens of multi-lens camera), |

PTZ Control Panel

| HOME | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
|---------------|--|--|
| | Address]/request=ptzHome&camDid=[devi | camView: 0(Single lens camera), 1 (The |
| | ceTbCamDid]&camView=[camView Index] | first lens of multi-lens camera), 2 (The |
| | | second lens of multi-lens camera), |
| PanLeftStart | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzLeftStart&camDid=[de | camView: 0(Single lens camera), 1 (The |
| | viceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| PanLeftStop | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzLeftStop&camDid=[de | camView: 0(Single lens camera), 1 (The |
| | viceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index]&camView=[camView Index] | second lens of multi-lens camera), |
| PanRightStart | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzRightStart&camDid=[| camView: 0(Single lens camera), 1 (The |
| | deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |

| PanRightStop | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
|---------------|---|--|
| | Address]/request=ptzRightStop&camDid=[| camView: 0(Single lens camera), 1 (The |
| | deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| TiltUpStart | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzUpStart&camDid=[de | camView: 0(Single lens camera), 1 (The |
| | viceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| TiltUpStop | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzUpStop&camDid=[de | camView: 0(Single lens camera), 1 (The |
| | viceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index | second lens of multi-lens camera) |
| TiltDownStart | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzDownStart&camDid=[| camView: 0(Single lens camera) 1 (The |
| | deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | | second lens of multi-lens camera) |
| TiltDownStop | http://[account]·[nassword]@[IP | deviceThCamDid: camera ID |
| Tillbownotop | Address]/request=ntzDownSton&camDid=[| camView: 0(Single lens camera) 1 (The |
| | deviceThCamDid1&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera) |
| ZoomInStart | http://[account]·[nassword]@[IP | deviceThCamDid: camera ID |
| Zoomnotart | Address]/request=ntzZoomInStart&camDid | camView: 0(Single lens camera) 1 (The |
| | =[deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Indev] | second lens of multi-lens camera) |
| ZaaminStan | http://[account]:[naccoword]@[ID | device The amplid: compare ID |
| 20011113100 | Addrosol/request=nt=ZeemInSten & comDid | acm)/iouv: 0/Single long comerce) 1 (The |
| | =[doviceThComDid]8.com\/iow=[com\/iow | first long of multi long comoro), 2 (The |
| | | inscrets of multi-lens carriera), 2 (The |
| | [ndex] | second lens of multi-lens camera), |
| | | |
| ZoomOutStart | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzZoomOutStart&camDi | camView: 0(Single lens camera), 1 (The |
| | d=[deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| ZoomOutStop | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzZoomOutStop&camDi | camView: 0(Single lens camera), 1 (The |
| | d=[deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| FocusInStart | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzFocusInStart&camDid | camView: 0(Single lens camera), 1 (The |
| | =[deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| FocusInStop | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzFocusInStop&camDid | camView: 0(Single lens camera), 1 (The |

| | 1 | |
|---------------|--|--|
| | =[deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| FocusOutStart | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzFocusOutStart&camD | camView: 0(Single lens camera), 1 (The |
| | id=[deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| FocusOutStop | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzFocusOutStop&camD | camView: 0(Single lens camera), 1 (The |
| | id=[deviceTbCamDid]&camView=[camView | first lens of multi-lens camera), 2 (The |
| | Index] | second lens of multi-lens camera), |
| GoPreset | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzGoPreset&camDid=[d | presetNum: 0~255 |
| | eviceTbCamDid]&presetNum=[preset | camView: 0(Single lens camera), 1 (The |
| | number]&camView=[camView Index] | first lens of multi-lens camera), 2 (The |
| | | second lens of multi-lens camera), |
| SavePreset | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzSavePreset&camDid= | presetNum: 0~255 |
| | [deviceTbCamDid]&presetNum=[preset | camView: 0(Single lens camera), 1 (The |
| | number]&camView=[camView Index] | first lens of multi-lens camera), 2 (The |
| | | second lens of multi-lens camera), |
| GetFocusMode | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzGetFocusMode&cam | focusMode: 0:AF |
| | Did=[deviceTbCamDid]&camView=[camVie | 1:MF |
| | w Index] | -1:NO Focus function device |
| | | camView: 0(Single lens camera), 1 (The |
| | | first lens of multi-lens camera), 2 (The |
| | | second lens of multi-lens camera), |
| SetFocusMode | http://[account]:[password]@[IP | deviceTbCamDid: camera ID |
| | Address]/request=ptzSetFocusMode&cam | focusMode: 0:AF |
| | Did=[deviceTbCamDid]&focusMode=[0:AF | 1:MF |
| | 1:MF]&camView=[camView Index] | -1:NO Focus function device |
| | | camView: 0(Single lens camera), 1 (The |
| | | first lens of multi-lens camera), 2 (The |
| | | second lens of multi-lens camera), |

TCP Commands

A TCP command string starts with AVER:[account]:[password]:/request=X, and ends with \r\n. X is as HTTP requests above. For example, AVER:[account]:[password]:/request=pause\r\n, AVER:[account]:[password]:/request=resume \r\n, and so on.

VISCA Command Table

MT300(N) also can be controlled via below VISCA over IP commands, but does not support VISCA RS422 commands.



| Command Set | Command | Command Packet | Comments |
|----------------|----------------|----------------------|---|
| Power | OFF | 8x 01 04 00 03 FF | Power off MT300 |
| Voice Tracking | Pause | 8x 01 04 7D 03 00 FF | Pause voice tracking |
| | Resume | 8x 01 04 7D 02 00 FF | Resume voice tracking |
| System | Change Profile | 8x 01 04 40 01 YY FF | YY = profile num(0x01~0x24) |
| | | 8x 01 04 3F 02 YY FF | Preset recall, YY = profile num(0x01~0x24) |
| | Reboot | 8x 01 04 A4 FF | Reboot MT300 |
| | | 8x 01 7E 03 01 FF | USB port 1 |

| Switch | USB | 8x 01 7E 03 02 FF | USB port 2 |
|--------|-----|-------------------|------------|
| Output | | | |

Command samples:

| Command Set | Command | Command Packet | Comments |
|----------------|---------|--|----------------------|
| Power | OFF | 01 00 00 07 00 00 00 01 81 01 04 00 03 FF | Power off MT300 |
| Voice Tracking | Pause | 01 00 00 07 00 00 00 01 81 01 04 7D 03 00 FF | Pause voice tracking |