Release note

Product:

PTZ Camera: PTZ211/PTZ231/PTZ310UV2/PTZ310UNV2/PTZ330UV2/PTZ330UNV2
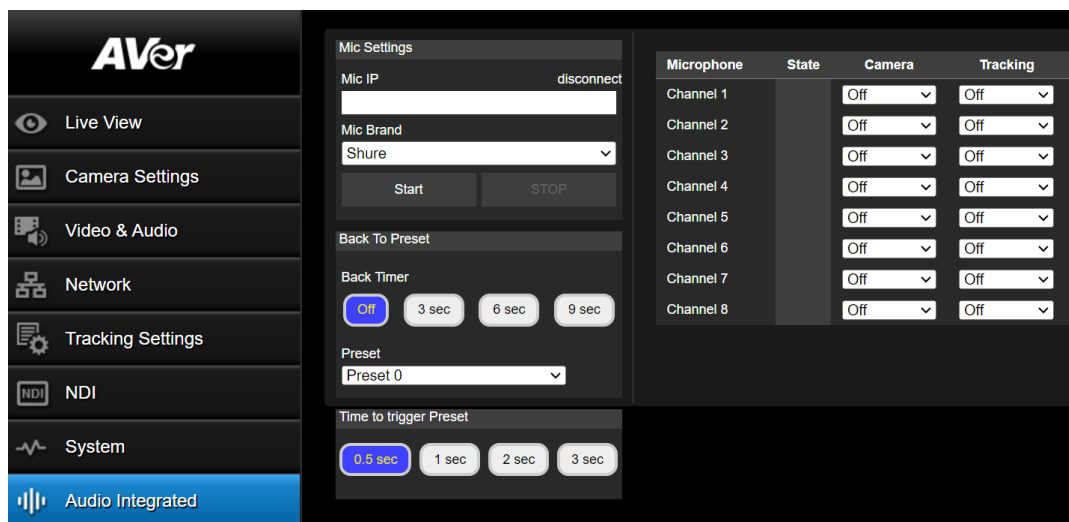
Tracking Camera: TR211/TR315/TR315N/TR335/TR335N

FW version	V0.0.0000.32
Release date	2024/5/17
New Feature	1. Audio partner integration with Shure for Audio tracking function *Long press (2 sec) Auto Tracking ON button from remote control to Start Audio tracking function. *Long press (2 sec) Auto Tracking OFF button from remote control to Stop Audio tracking function.

	2. NDI HX2 License key code activation feature. 3. Able to pan/tilt camera through Onvif command. 4. Support Bosch's new version: DICENTIS Conference System 5.0
Improvement	1. Optimized the "Auto Tilt" function while Auto Tracking in Hybrid mode. (this improvement only for Tracking camera TR211/315(N)/335(N))
Known issue	1. We recommend using the Chrome browser for configuring webpages. 2. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience. *Simultaneous outputs in different video theme modes:

Video modes	PTZ310UNV2/PTZ330UNV2 TR315N/TR335N	PTZ310UV2/PTZ330UV2 PTZ211/PTZ231/TR315/TR335
Standard/Teams/Zoom	HDMI/IP/NDI HX2/USB (4KP60) & 3G-SDI (1080P60)	HDMI/IP/USB(4KP60) & 3G-SDI (1080P60)
NDI	HDMI/IP/NDI HX3 (4KP60) & 3G-SDI (1080P60)	NA

3. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.

A. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).

B. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.

C. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".

Product:

PTZ Camera: PTZ211/PTZ231/PTZ310UV2/PTZ310UNV2/PTZ330UV2/PTZ330UNV2

Tracking Camera: TR211/TR315/TR315N/TR335/TR335N

FW version	V0.0.0000.28
Release date	2023/12/20
New Feature	5. Enabled FQDN setting for direct access to the camera webpage using "http://hostname". If there are two cameras in the LAN pool with identical hostnames, it may be difficult for the user to identify the correct one. Therefore, modifying the hostname before using this function is necessary. e.g. http://PTZ310UNV2 6. Updated the NDI SDK to version 5.6 for NDI models in PTZ310UNV2, PTZ330UNV2, TR315N, and TR335N
Improvement	2. Optimized the Freed protocol and corrected the terminology from "FreeD" to "Freed". 3. Optimized the Onvif protocol for integration with Bosch meeting system. 4. Optimized the auto operation smoothly movement in AI Auto Tracking function on TR211/TR315(N)/TR335(N) models. 5. Bug fix: Corrected the VISCA command for the following: CAM_BrightPosInq, CAM_Live Freeze, USB Status, UVC Status 6. Bug Fix: Corrected the display issue in NDI Studio Monitor where names were not showing correctly for spaces. 7. Bug Fix: Resolved this issue where RTSP could not be activated when camera was power off. 8. Bug Fix: Corrected the wording of SmartShoot and SmartFrame in the OSD. 9. Bug Fix: Corrected bright mode setting in webpage.
Known issue	4. We recommend using the Chrome browser for configuring webpages. 5. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience. *Simultaneous outputs in different video theme modes:

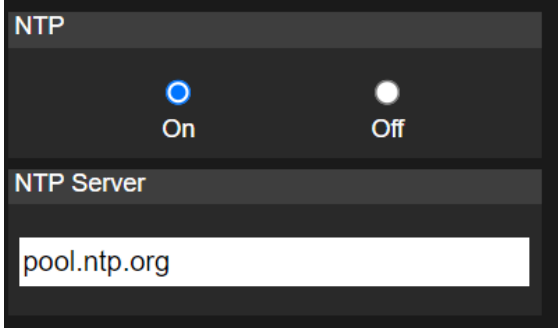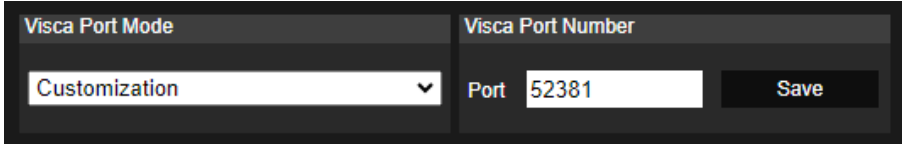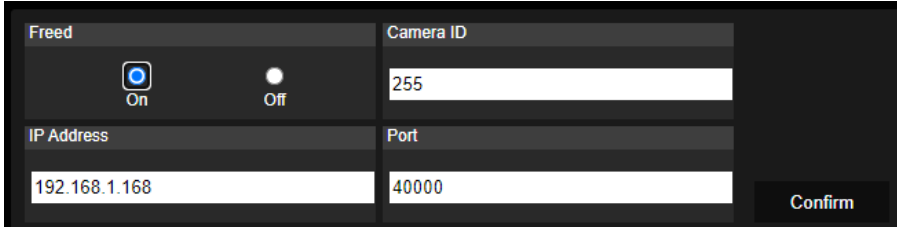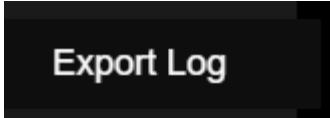| Video modes	PTZ310UNV2/PTZ330UNV2 TR315N/TR335N	PTZ310UV2/PTZ330UV2 PTZ211/PTZ231/TR315/TR335
Standard/Teams/Zoom	HDMI/IP/NDI HX2/USB (4KP60) & 3G-SDI (1080P60)	HDMI/IP/USB(4KP60) & 3G-SDI (1080P60)
NDI	HDMI/IP/NDI HX3 (4KP60) &	NA

		3G-SDI (1080P60)	

6. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.

D. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).

E. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.

F. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".

Product:

PTZ Camera: PTZ310UV2/PTZ310UNV2/PTZ330UV2/PTZ330UNV2

Tracking Camera: TR315/TR315N/TR335/TR335N

FW version	V0.0.0000.24
Release date	2023/11/14
New Feature	None
Improvement	10. Resolved NDI function disable issue of V22. Users can now enjoy the original NDI HX3 functionality. 11. Improved switch presenter functionality through click tracking on the webpage for a more optimized experience.
Known issue	7. We recommend using the Chrome browser for configuring webpages. 8. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience. *Simultaneous outputs in different video theme modes:

Video modes	PTZ310UNV2	PTZ310UV2
Standard/Teams/Zoom	HDMI/IP/NDI HX2/USB (4KP60) & 3G-SDI (1080P60)	HDMI/IP/USB(4KP60) & 3G-SDI (1080P60)
NDI	HDMI/IP/NDI HX3 (4KP60) & 3G-SDI (1080P60)	NA

9. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.

G. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).

H. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.

I. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".

FW version	**V0.0.0000.22**
Release date	2023/09/06
New Feature	1. Able utilize the NTP function directly from the webpage under System > Network > NTP. 2. Able configure the VISCA Port Mode function through the webpage by going to Network > VISCA Port Mode. 3. Able utilize the FreeD function directly from the webpage by accessing Network > FreeD. 4. Able to export Log from the webpage by accessing System > Export Log.

5. Able to continuously export logs to a selected IP and Port directly from the webpage under System > Export Log..

6. Able to configure and set the date and time from the webpage by accessing System > set Date/Time.

7. Able to schedule the Power-up time from the webpage by accessing System > Power Schedule.

Improvement	1. Optimizing USB video for a seamless Zoom Room video streaming experience. 2. Users can now utilize symbols (%+=,-_^/@.~) when creating their login names and passwords. 3. Enhancements to the username and password fields now include the ability to toggle password visibility using an eye icon.
Known issue	10. We recommend using the Chrome browser for configuring webpages. 11. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience. *Simultaneous outputs in different video theme modes:

Video modes	PTZ310UNV2/PTZ330UNV2	PTZ310UV2/PTZ330UV2
Standard/Teams/Zoom	HDMI/IP/NDI HX2/USB (4KP60) & 3G-SDI (1080P60)	HDMI/IP/USB(4KP60) & 3G-SDI (1080P60)
NDI	HDMI/IP/NDI HX3 (4KP60) & 3G-SDI (1080P60)	NA

12. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.
J. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).
K. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.
L. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".

FW version	V0.0.0000.14
Release date	2023/03/31
New Feature	None
Improvement	12. Enhanced the firmware upgrade progress experience. 13. Enabled the LDC function on the web page. 14. Added RTC (Real-Time Clock) check.
Known issue	13. We recommend using the Chrome browser for configuring webpages. 14. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.

*Simultaneous outputs in different video theme modes:

Video modes	PTZ310UNV2	PTZ310UV2
Standard/Teams/Zoom	HDMI/IP/NDI HX2/USB (4KP60) & 3G-SDI (1080P60)	HDMI/IP/USB(4KP60) & 3G-SDI (1080P60)
NDI	HDMI/IP/NDI HX3 (4KP60) & 3G-SDI (1080P60)	NA

15. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.

M. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).

N. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.

O. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".

FW version	V0.0.0000.12
Release date	2023/03/17
New Feature	None
Improvement	1. Optimizing USB video for a seamless Zoom Room video streaming experience.
Known issue	2. We recommend using the Chrome browser for configuring webpages.

3. When using NDI video theme mode, the USB video stream will be temporarily paused in order to ensure the best possible NDI HX3 video streaming experience.

*Simultaneous outputs in different video theme modes:

Video modes	PTZ310UNV2	PTZ310UV2
Standard/Teams/Zoom	HDMI/IP/NDI HX2/USB (4KP60) & 3G-SDI (1080P60)	HDMI/IP/USB(4KP60) & 3G-SDI (1080P60)
NDI	HDMI/IP/NDI HX3 (4KP60) & 3G-SDI (1080P60)	NA

4. HTTPS: Enable HTTPS to establish a secure connection between the browser and the camera. To enable HTTPS, please follow the steps below.

A. Obtain an SSL certificate in base-64 encoding format for encryption and decryption, and a private key in PKCS#8 format (must be unencrypted).

B. Convert the required certificate content into PEM format. The SSL certificate uploaded to the camera must be in PEM format.

C. In the HTTPS settings field, select "On", then click "Choose File" to select the certificate file, and then click "Upload".