MT500

NDI® Matrix Auto Tracking Box

NDI® | HX3

Professional PTZ Camera Provider

TAA NDAA COMPLIANT

AVerCare Pro AV Guarantee 24 Hour Replacement | 5 Year Warranty

AI-Powered 4K Matrix Tracking Made Simple

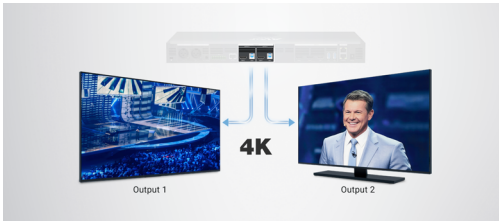
The AVer MT500 is a 4K AI-powered matrix tracking box that centralizes and auto-switches multiple camera feeds with intelligent voice tracking, eliminating the need for a dedicated operator in large lecture halls and high-profile meeting spaces. Engineered for divisible rooms and professional AV production, it delivers dual independent 4K outputs to support simultaneous in-room displays and remote participants. With native support for Dante®, Dante® AV-H, and NDI®, the MT500 streamlines AV-over-IP integration, enabling seamless audio and video distribution, recording, and live streaming across corporate, government, and enterprise environments.

**** Microsoft Teams Certification is in progress.***

- Multi Camera Video & Voice Tracking
- Multiple Sources Audio Mixing
- Dual Independent Outputs
- 4k Ultra HD Output
- Dante AV-H Ready
- NDI® HX3

AI-Driven Auto Switching

FaceFocus: Capture Everyone Face Front.
IntelliSwitch: Smooth Transitions for Steady Viewing.
InstaConfig: Auto Mapping for Faster Deployment.
Automatically detects and tracks active speakers using advanced AI voice tracking, intelligently switching between multiple camera feeds in real time for a seamless, professional viewing experience without manual operation required.



Dual Independent 4K Outputs

Simultaneously deliver two distinct 4K video feeds, enabling one output for in-room displays and another for recording, streaming, or remote audiences—ensuring flexible, high-quality content distribution across any environment.

Operator-Free Production

Automates multi-camera production with intelligent AI tracking and switching, reducing the need for dedicated AV staff while maintaining a professional, broadcast-quality experience.

AV-over-IP Integration

Supports NDI®, Dante®, and Dante AV-H for seamless integration into modern AV-over-IP systems, enabling flexible, high-quality audio and video distribution across networked environments.

Scalable Multi-Camera Support

Connect and manage multiple cameras within one centralized system, making it easy to scale for large spaces, multi-presenter setups, and complex AV environments.

Product Specifications

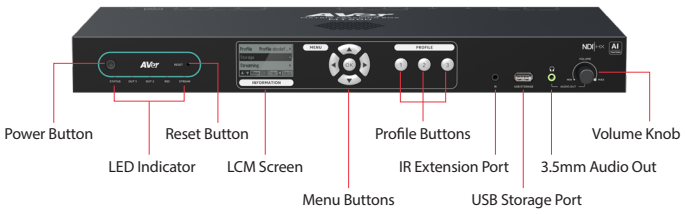
Video Inputs	Physical Input Connectors	USB 3.0 Type-A x 2, HDMI® 2.0 x 3
	IP Stream Inputs	Up to 25
	Display Capabilities	IP/USB x 8 + HDMI® x 3
	Output Resolutions	AV-over-IP Protocols
	Physical Output Connectors	HDMI® 2.0 x 2, USB 3.0 Type-B (UVC/UAC) x 2, IP x 2
	AV-over-IP Protocols	RTSP, RTMP, HLS, NDI® HX2
	Dual Independent Outputs	Content 1: HDMI® 1/USB 1/IP 1 Content 2: HDMI® 2/USB 2/IP 2
Supported Resolutions & Codecs	Resolution	Up to 4K 60fps
	Codecs	H.264, H.265, MJPEG
Audio	Analog Audio I/O	XLR Balanced in x 2, 3.5 mm Mic/Line in x 1, 3.5 mm out x 1
	Dante® Audio	Yes
	USB Audio Bypass	Bi-directional UAC
	Audio Mixing	8CH Matrix Mixer
Layout Engine	Auto Layouts	7 (Single, Side-by-Side, Main Speaker-3 Inputs, Main Speaker-4 Inputs, PiP, Quad View, Advanced)
Control & Management	Protocols	VISCA over IP, CGI
	Management	Web UI
	On-Device Controls	Via Buttons, LCM Screen
Recording & Storage	Local Recording	Direct to USB Storage Device
	Network Recording	Direct to NAS
Software Tools	Device Utility	Presenter Mode, Zone Mode, Hybrid Mode
	Enterprise Management	Supports Windows® 10 or later
	Room Management	Supports Windows® 7 or later, macOS® 11.6 or later
	Room Management	Supports Chrome™ & Microsoft Edge browsers
	MT Control Panel	Supports Windows® 7 or later, macOS® 10.14 or later, Android™ 8.0 or later
	PTZ Link Premium	Built-in for Voice Tracking

I/O Interfaces	GPIO	6-Pin Configurable
	RS-422	1
	Ethernet	1
	PoE++	1 (IEEE 802.3bt Class 5, 41.1V to 57V 1.5A)
AI Features	FaceFocus	Yes
	IntelliSwitch	Yes
	InstaConfig	Yes
General	LCM Screen	Yes, 2-inch
	Buttons	Menu, Profile, Power, Reset, Volume Knob
	LED Indicators	Status, Output 1, Output 2, Record, Stream
	Dimensions (W x H x D)	227.1 x 44.0 x 430.0 mm
	Net Weight	2.48 (±0.1) kg
	Power Requirement	AC 100 - 240V to DC 12V/7.5A
	Power Consumption	23 W
	Security	Kensington Slot
	Operating Conditions	Temperature: 0 °C to +40 °C Humidity: 20% to 80%
	Storage Conditions	Temperature: -20 °C to +60 °C Humidity: 20% to 95%
	Installation Methods	Rack Mounted, Under the Table, Inside the Podium, Behind the Display
	LCM Screen	Sleep Mode
Package Contents	MT500, Power Adapter, Power Cord, Cable Fixing Plate, Cable Tie (x9), 3.0 x 5 mm Truss Head Screw (x10), M3 x 10 mm Screw (x4), Rack Mount Bracket (x2), USB 3.0 Type-A to Type-B Cable (x2), Phoenix® Combicon 8-pole Connector, Quick Start Guide	
Optional Accessories	3.0 x 5 mm Flat Head Screw (x3), 3.0 x 5 mm Truss Head Screw (x2)	
SKU	PATMT500N	

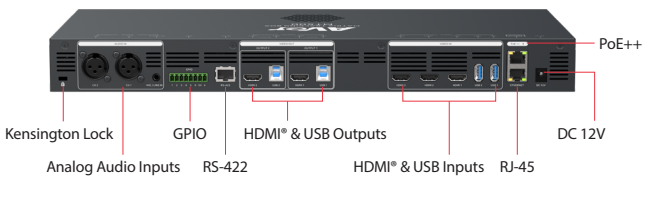
** Specifications may vary depending on location and are subject to change without notice.*

Hardware Specifications

Front



Back



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