



CENTRALIZED INTELLIGENCE IN ONE CORE



AVer MT500
Matrix Tracking Box



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Designed for large lecture halls, council chambers, corporate boardrooms, and high-impact environments, the AVer MT500 4K Matrix Tracking Box delivers AI-powered multi-camera auto-switching and voice tracking. Dual independent 4K outputs simultaneously serve in-room displays and streaming/recording platforms. Native support for Dante® Audio, Dante® AV-H, and NDI® simplifies complex AV-over-IP workflows, making the MT500 the ideal choice for hybrid classrooms, lecture capture, training rooms, and modern enterprise workspaces.



4K Ultra HD Output



Dual Independent Outputs



Dual LAN & PoE++ Powered



Dante® Audio Built-in



Dante® AV-H Ready



NDI® HX3 Cameras Input Support



Direct-to-NAS & USB Recording



Multiple Sources Audio Mixing



GPIO & RS-422 Control



Multi-Camera Video & Voice Tracking



PTZ Link Premium Built-in



5-Year Warranty



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One Box. Two Video Feeds.

Dual independent outputs provide two separate video and audio streams via IP, HDMI®, and USB. This enables one matrix box to simultaneously deliver two feeds: one optimized for in-room displays and the other for streaming, recording, or remote sharing. This meets diverse content presentation and distribution needs with ease.

Multi-Camera Synergy: Video & Voice Tracking.

Leveraging PTZ Link Premium, the MT500 links AVer cameras and microphone systems, upgrading tracking from individual human-based to synchronized Voice Tracking. The system intelligently transitions between diverse angles based on voice location, capturing active speakers for automated, broadcast-style content.

AI Built-In: FaceFocus, IntelliSwitch, InstaConfig.

FaceFocus and IntelliSwitch enhance multi-camera setups with front-facing shots and smoother camera transitions. InstaConfig maps camera presets to microphone channels, reducing deployment time for hybrid classrooms and conference rooms.



Seamless Sound Integration: Dante® & Local Audio.

The MT500 integrates a variety of digital and analog audio sources, including HDMI®, USB, XLR, 3.5 mm, RTSP, and the industry-standard Dante® network audio. By consolidating these diverse signals, it allows meeting spaces to easily connect and control microphones.

Direct Control: On-Box Buttons and Recording.

The MT500 records sessions directly to NAS or USB drives, enabling archiving and on-demand playback without external recorders. The front panel grants real-time status and quick profile management, facilitating total AV control right at the box.

Smart Room Automation: GPIO & RS-422.

The MT500 integrates through GPIO and RS-422 with controllers, lights, screens, and more. It automatically activates room functions, keeping everything in sync effortlessly.

Product Specifications

Video Inputs		Recording & Storage	
Physical Input Connectors	USB 3.0 Type-A x 2, HDMI® 2.0 x 3	Local Recording	Direct to USB Storage Device
IP Stream Inputs	Up to 25	Network Recording	Direct to NAS
Display Capabilities	IP/USB x 8 + HDMI® x 3	AI Features	
AV-over-IP Protocols	RTSP, NDI® HX2, NDI® HX3, Dante® AV-H	FaceFocus	Yes
Video Outputs		IntelliSwitch	Yes
Physical Output Connectors	HDMI® 2.0 x 2, USB 3.0 Type-B (UVC/UAC) x 2, IP x 2	InstaConfig	Yes
AV-over-IP Protocols	RTSP, RTMP, HLS, NDI® HX2	Software Tools	
Dual Independent Outputs	Content 1: HDMI® 1/USB 1/IP 1 Content 2: HDMI® 2/USB 2/IP 2	Device Utility	Supports Windows® 10 or later, macOS® 10.14 or later
Supported Resolutions & Codecs		Enterprise Management	Supports Windows® 10 or later
Resolution	Up to 4K 60fps	Room Management	Supports Windows® 7 or later, macOS® 11.6 or later
Codecs	H.264, H.265, MJPEG	Cloud Management	Supports Chrome™ & Microsoft Edge browsers
Audio		MT Control Panel	Supports Windows® 7 or later, macOS® 10.14 or later, Android™ 8.0 or later
Analog Audio I/O	XLR Balanced in x 2, 3.5 mm Mic/Line in x 1, 3.5 mm out x 1	PTZ Link Premium	Built-in for Voice Tracking
Dante® Audio	Yes	General	
USB Audio Bypass	Bi-directional UAC	LCM Screen	Yes, 2-inch
Audio Mixing	8CH Matrix Mixer	Buttons	Menu, Profile, Power, Reset, Volume Knob
Layout Engine		LED Indicators	Status, Output 1, Output 2, Record, Stream
Auto Layouts	6 (Single, Side-by-Side, Active Speaker, PiP, Customize, Advanced)	Dimensions (W x H x D)	227.1 x 44.0 x 430.0 mm
Manual Layouts	7 (Single, Side-by-Side, Main Speaker-3 Inputs, Main Speaker-4 Inputs, PiP, Quad View, Advanced)	Net Weight	2.48 (±0.1) kg
I/O Interfaces		Power Requirement	AC 100 - 240V to DC 12V/7.5A
GPIO	6-Pin Configurable	Power Consumption	23 W
RS-422	1	Security	Kensington Slot
Ethernet	1	Operating Conditions	Temperature: 0 °C to +40 °C Humidity: 20% to 80%
PoE++	1 (IEEE 802.3bt Class 5, 41.1V to 57V 1.5A)	Storage Conditions	Temperature: -20 °C to +60 °C Humidity: 20% to 95%
Control & Management		Installation Methods	Rack Mounted, Under the Table, Inside the Podium, Behind the Display
Protocols	VISCA over IP, CGI	Warranty	
Management	Web UI	MT500	5 Years
On-Device Controls	Via Buttons, LCM Screen	Accessories	1 Year
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)	

* Specifications may vary depending on location and are subject to change without notice.
** Android is a trademark of Google LLC.

Product Appearance

Front



- 1 Power Button
- 2 LED Indicators
- 3 Reset Button
- 4 LCM Screen
- 5 Menu Buttons
- 6 Profile Buttons
- 7 IR Extension Port
- 8 USB Storage Port
- 9 3.5 mm Audio Out
- 10 Volume Knob

Rear



- 11 Kensington Slot
- 12 Analog Audio Inputs
- 13 GPIO
- 14 RS-422
- 15 HDMI® & USB Outputs
- 16 HDMI® & USB Inputs
- 17 RJ-45
- 18 PoE++
- 19 DC 12V



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