![AVer logo]

MT300N

NDI® Matrix Tracking Box

NDI®|HX

TAA NDAA COMPLIANT

AVerCare — Pro AV Guarantee — 24 Hour Replacement | 5 Year Warranty

Voice Tracking and Streaming Made Easy.

The AVer MT300N is the matrix tracking box that opens up a whole new world using AVer Pro AV cameras in collaborative environments! Integrate Voice Tracking with any room types with this small form factor device that eliminates the need for expensive in-room PC or server running PTZ Link software pre-installed. Supports 3rd party microphones from leading audio brands and allows for customizable multi-camera switching. Swap your camera between in-room Microsoft Teams, Zoom Room or Google Meet system or BYOM (bring your own meeting). With USB, NDI|HX2, HDMI, H.264 input and output connectivity, you can accommodate any use case for seamless integration for capture and collaboration.

Our industry-leading AVerCare warranty program offers 5 years protection and 24-hour replacement to give you total peace of mind.

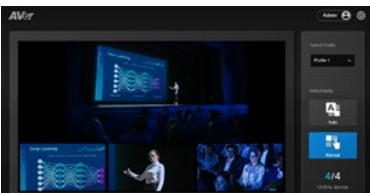| Integrated Voice Tracking | Multi-Camera Switching | 4 Output
2 HDMI & 2 USB/Type B | Support NDI\|HX2 Protocol | PTZ Link Premium
Built-in | PoE+ Supports |

Integrated voice tracking

- Pre-installed PTZ Link software works with AVer Pro AV cameras and 3rd-party microphone systems including Sennheiser, Shure, Yamaha, Nureva, ClearOne, and Audio-Technica.
- Create a multi-camera feel across all your preset zones

Multi-camera switching

- Premium Version of PTZ Link license supports up to five groups of AVer cameras and microphones to accomplish automatic video switching.
- Access direct connectivity to AVer cameras via USB.
- Rich video conferencing platform compatibility allows you to switch cameras between Microsoft Teams, Zoom Room or Google Meet systems.
- BYOD (Bring your own device) or integrate it with your existing devices, while leveraging its multimedia capabilities.

Web UI with Remote Management

- Our simple web-based interface enables convenient remote access and management of cameras. Additionally, users can effortlessly create personalized profiles including display layouts to easily access their preferred settings.

Advanced Motion Control

- Take advantage of the power of NDI|HX2 format with built-in encode support for your connected devices.

Compact. Easily mountable

- The small form factor allows you to neatly tuck away the MT300N under a desk with the rack mount brackets (included) or on a server rack with the optional server rack mount (sold separately).
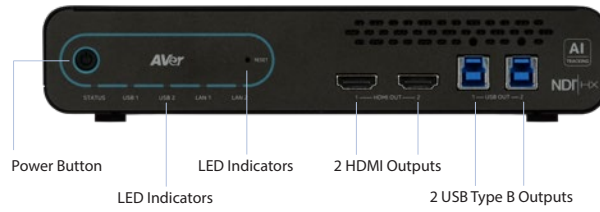
Product Specifications

MT300N

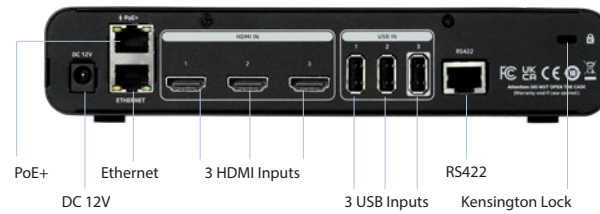| Category	Spec	MT300N
Tracking Box	Platform	Embedded Linux on Quad Core ARM®
	Input Resolutions	1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50
	Output Resolution	**HDMI Outputs** 2160p/60, 2160p/59.94, 2160p/50, 2160p/30, 2160p/29.97, 2160p/25, 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50, 480p/60 **USB Outputs** YUY2 1080p/30, 1080p/15 MJPEG 2180p/30, 2180p/15, 1080p/60, 1080p/30 **Stream Output** Resolution 3840x2160, 1920x1080, 1280x720, 960x540, 640x480, 640x360 Framerate 1, 5, 15, 20, 30, 60
	PTZ Link Premium	License included
	Camera Control - Protocols	VISCA (RS-422 / IP), PELCO-D & PELCO-P (RS-422), CGI (IP)
	Maximum Input Signals	7 4 - Combination of IP + USB, 3 - HDMI (Maximum 4 active inputs at any time)
	Maximum Output Signals	1 (All outputs are mirrored)
Interface	Video Output	All outputs are mirrored HDMI (2), IP, USB 3.0 Type-A (2), NDI HX2
	Video Input	HDMI (3), IP, NDI HX3, USB 2.0 Type-B (3)
	Camera Control - Interfaces	RS-422 (RJ45), IP
	Ethernet	RJ45 (2), PoE+ - Port 1 only
	Buttons	Power, Reset (recessed)
IP Streaming	Resolution	Up to 2180p/60 (Maximum decode resolution upto 1080p/60)
	Network Video Compress Formats	H.264, H.265, MJPEG
	Maximum Frame Rate	60fps
	Bit-Rate Control Modes	VBR, CBR (selectable)
	Range of Bit-Rate Setting	512 Kbps to 32 Mbps, and Auto
	Network Interface	10 / 100 / 1000 Base-T
	Multi-Stream Capability	**Input** Maximum up to 4 Up to 1080p/60: IP, NDI-HX3 **Output** Unlimited connections Up to 2180p/60: IP, NDI-HX2 720p/10: MT300N Web-Interface
	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
	NDI®HX2	Encoding
	NDI®HX3	Decoding
USB	Input Connectors	USB 2.0 (Port 1/2 - UVC, Port 3 - UVC/UAC)
	Output Connectors	USB 3.0 (2)Port
	Output Video Formats	MJPEG, YUY2
	Maximum Output Video Resolution	2160p/30 - MJPEG, 1080p/30 - YUY2
	USB Video Class (UVC)	UVC 1.1
	USB Audio Class (UAC)	UAC 1.0
LED Indicators	Power/Status LED	**Orange (Solid)** - Device powered but in standby **Green (Solid)** - Device powered and operating normally **Green (Flashing)** - Device is upgrading firmware
	USB 1 / USB 2	**Green (Solid)** - Host is connected and device is ready to stream UVC/UAC video **Green (Flashing)** - Device is streaming UVC/UAC video
	LAN 1 / LAN 2	**Green (Solid)** - Device is connected to network
General	Power Requirement	DC 12V/1.5A
	Power Consumption	18W
	PoE	PoE+
	Dimensions (W x D x H)	15.0 x 21.0 x 4.1 cm
	Net Weight	0.9 (±0.1) kg
	Security	Kensington Slot
	Remote Control	Infrared
	Operating Conditions	Temperature : 0 ℃ to +50 ℃ ; Humidity : 20% to 80%
	Storage Conditions	Temperature : -20 ℃ to +60 ℃ ; Humidity: 20% to 95%
	Installation	Rack mountable, Under the table, Inside the podium, Behind the display
	Safety Certifications	CE, FCC, BSMI, NCC, IC, VCCI, UKCA, EAC
WebUI	Input Connectors	USB 2.0 (3) (Port 1/2 - UVC, Port 3 - UVC/UAC)
	Output Connectors	USB 3.0 (2) Automatic USB port selection to the last connected host. Port 1 has higher priority if both ports are connected to host. (For MTR/Zoom Room and BYOM switching applications.)
	Output Video Formats	MJPEG, YUY2
	Maximum Output Video Resolution	2160p/30 - MJPEG, 1080p/30 - YUY2
	USB Audio Class (UVC)	UVC 1.1
	USB Video Class (UAC)	UAC 1.0
Software Tools	IP Search and Configuration Tool	Support Windows® 7 or later
	PTZ Management	Support Windows® 7 or later
	PTZ Control Panel	Supports iOS & iPadOS® 11 or later
	PTZ Link	Built-in with Premium License Activated
	CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later
Warranty	Device	5 Years
	Accessories	1 Year
Package Contents		MT300N Device, Power Adapter, Power Cable, Cable Fixing Plate (x2), Cable Tie (x13), 3.0 x 5 Truss Head Screw (x4), M3 x 10 mm Screw (x4), Rack Mount Bracket (x2), USB 3.0 Cable (x2), RS-422 Cable, Quick Start Guide
Optional Accessories		Server Rack Mount, 3.0 x 5 mm Flat Head Screw (x3), 3.0 x 5 mm Truss Head Screw (x2)
Ordering Info	Part Number	PATMT300N

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

Hardware Specifications

Front

Power Button

LED Indicators

LED Indicators

2 HDMI Outputs

2 USB Type B Outputs

Back

PoE+

DC 12V

Ethernet

3 HDMI Inputs

3 USB Inputs

RS422

Kensington Lock

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