



TR335N

AI Auto Tracking

30X 4K NDI® PTZ Streaming Camera

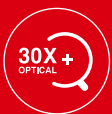


Exceptional Video Quality with Zero Compromises

The AVer TR335N AI Auto Tracking Camera delivers professional-grade lectures, sermons, trainings or whatever you need to stream! The 30X optical zoom, powerful 8MP camera and 4K resolution offer the range and picture quality to produce the highest quality productions. The advanced artificial intelligence (AI) technology allows you to track your speaker (full or half body) or pre-set shoot zone without a dedicated camera operator. The TR335N includes new improved performance, simultaneous output on USB and IP, and UHD NDI|HX3 for better video with reduced latency – using a fraction of the bandwidth of NDI® high bandwidth.



3 Auto Tracking Modes



30X Optical Zoom



3G-SDI, HDMI, IP, USB Output



4K Resolution



8MP Picture



Wide Dynamic Range



Tally Light

Harness the Magic of NDI|HX3

Includes the most recent edition of the NDI protocol is NDI® version 3 (NDI® |HX3). Features 4Kp60 NDI output with latency less than 100ms.



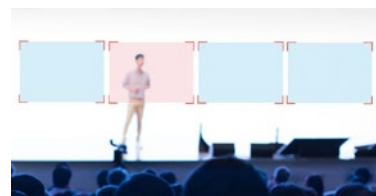
Presenter Tracking

- Capture every interaction
- Either track full body or half body
- Simple click to track and manually follow an additional presenter via remote control or Web UI



Zone Tracking

- Establish preset zones
- Create video focused on content
- Enhance the capture of content on multiple displays



Hybrid Mode

- Camera auto switch between Presenter vs Zone mode
- Combines the best features of Presenter and Zone mode
- Flexibility of tracking presenter freely or fixed content



4K 60 FPS

The TR335N can stream in 4K at 60 fps through HDMI, USB, and IP outputs. With simplified setups and without the hassle of tangled cables, you can seamlessly utilize multiple devices at once to create smooth video streams.



Voice Tracking

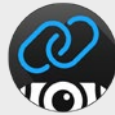
Upgrade your audiovisual setup with AVer PTZ cameras and select compatible microphones for precise voice tracking using the camera preset points. Run PTZ Link software on in-room UC compute or PC or integrate MT300N for worry free security and OS updates. No need for costly programmers!





Free Software for Users and AV Managers

Whether you need a simple tool to control your PTZ or TR camera, or manage over a hundred on your network, AVer has great options. [CaptureShare](#) and [PTZ Management](#) for desktop and [Aver PTZ Control Panel](#) for iPad have you covered. For new voice tracking features, look to [PTZ Link](#). Visit our [support page](#) for easy download of our desktop software.



Compatible With



Product Specifications

| | | |
|--------------|-------------------------------|--|
| Camera | Sensor Size | 1/2.8" CMOS |
| | Pixel | 8MP |
| | Output Resolution | Resolution : 4K/1080p/720p Frame Rate : 60/59.94/50/30/29.97/25 |
| | TV Line | 1400 (center/wide) |
| | Focal Length | f=3.9 ~ 46.8mm |
| | Iris | F=1.6 (Wide) ~ 2.8 (Tele) |
| | Optical Zoom | 30X |
| | Digital Zoom | 12X |
| | Total Zoom | 12X |
| | D FOV | 69.2° (wide) ~ 2.8° (Tele) |
| | H FOV | 62.3° (wide) ~ 2.5° (Tele) |
| | V FOV | 37.3° (wide) ~ 1.4° (Tele) |
| | Minimum Illumination | 0.5 lux (50 IRE, F1.6, Max. AGC, 1/30) |
| | Minimum Working Distance | Wide 0.1m, Tele 1.2m |
| | Focus | Auto/Manual/One Push |
| | White Balance | Auto/Manual |
| | Gain | Auto/Manual |
| | Shutter Speed | 1/1 s to 1/10,000 s |
| | BLC (Back Light Compensation) | Yes |
| | Exposure | Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR |
| | Noise Reduction | 2D/3D NR |
| | Frequency | 50Hz & 60Hz |
| | S/N Ratio | ≥50dB |
| | Image Effect | Mirror/Flip Freeze/WDR/BLC |
| Parameter | WDR (Wide Dynamic Range) | Yes |
| | Pan Angle | -170° ~ +170° |
| | Tilt Angle | -30° ~ +90° |
| | Pan Control Speed | 0.1 ~ 100°/Sec |
| | Tilt Control Speed | 0.1 ~ 100°/Sec |
| | Preset Speed | Pan: 200°/Sec, Tilt: 200°/Sec |
| | Preset Number | 10 Locations by Remote, 256 vis RS232 |
| | IP Streaming | |
| IP Streaming | Resolution (Max) | 4K (60FPS) |
| | Video Compression | H.264, H.265, MJPEG |
| | Audio Compression | AAC |
| | Protocol | IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP |
| | Bitrate | 512Kbps ~ 32Mbps |
| | Bitrate Control Mode | VBR/CBR |
| | Multi-stream Capability | 4:USB/HDMI/IP/3G-SDI* MAX: 2160P60 *3G-SDI only support 1080p60 |
| | | |
| | | |
| | | |

| | | |
|---------------|-----------------------|--|
| I/O Interface | Video Output | 3G-SDI, HDMI, IP, USB |
| | Audio Output | 3G-SDI, HDMI, IP, USB |
| | Audio Input | MIC in/Line in |
| | Baud Rate | 2400, 4800, 9600, 38400 |
| | Control Interface | RS-232/RS-422/Ethernet |
| | Control Protocol | VISCA/PELCO-D (RS232/RS422/IP), CGI (IP) |
| | Network Interface | 10/100/1000 Base - T |
| | USB | 3.0 |
| | POE+ | PoE+ (IEEE802.3at) |
| | Power Requirements | 12V |
| USB | Connector | USB3.0 (typeB) |
| | Video Format | MJPG |
| | Resolution (Max) | 2160P |
| | Video Class | UVC 1.1 |
| Audio | Audio Class | UAC 1.0 |
| | Channel | 2ch (stereo) |
| | Codec | AAC-LC(48K) |
| System | Sample Rate | 48Khz |
| | IR Remote Control | Yes |
| | Tally | Yes |
| | Kensington Lock | Yes |
| | Power Consumption | 18W |
| | Operating Temperature | 0°C ~ +40°C |
| | Operating Humidity | 20%~80% |
| | Storage Temperature | -20°C ~ +60°C |
| | Storage Humidity | 20% ~ 95% |
| | Dimensions | W180*D145*H192mm |
| Warranty | Net Weight | 2.0 kg (+/-0.1) (4.4 lbs) |
| | Application | Indoor |
| | Accessory | Remote control, 12V power adapter, power cable, Din8 to D-Sub9 cable, RS232 in/out cable, ceiling mount(x2), M2x4mm screw(x3), M3x4mm screw(x3), cable fixing plates, cable ties(x4), drilling paper, quick guide. |
| | Optional Accessories | Wall mount, Camera Controller(CL01) |
| | Camera | 5 Years |
| | Accessories | 1 Year |
| Tracking | Mode | Presenter, Zone, Hybrid, Gesture Control |
| | NDI | Support on N model only |
| Ordering Info | Part Number | PTR335NV3 |



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