

AVer

**INTELLIGENT
TRACKING.
BROADCAST
EXCELLENCE.**



1-inch Sensor

AVer TR615

Broadcasting-Grade
AI Auto Tracking PTZ Camera



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Introducing the TR615, a broadcasting-grade 4K AI Auto Tracking PTZ Camera for professional broadcasting, live event production, and premium live streaming. With AI-powered auto tracking technology and ultra-smooth PTZ motion, enjoy precise, hands-free camera control. Featuring a 1-inch Sony Exmor RS[®] CMOS sensor, 19X optical zoom, and AI-enhanced algorithm, the TR615 produces cinematic 4K video and supports dual 12G-SDI, Genlock, NDI[®] HX3, Dante AV-H*, and Free-D for streamlined integration into broadcast workflows.

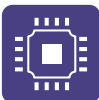
* Upgrade to Dante AV-H in 2025Q3 with Dante Ready Licensing.



4K 60fps Resolution



228X Total Zoom



1-inch Sony Exmor RS[®] CMOS Sensor



12G-SDI x 2



Genlock



Supports Free-D



Human Detection AI



Presenter Mode



Zone Mode



Hybrid Mode



Voice Tracking*



5-Year Warranty

* Voice Tracking requires PTZ Link or MT300(N).
† Exmor RS[®] is a trademark of Sony Group Corporation or its affiliates.



Zoom In, Capture Every Detail

19X optical + 12X digital zoom meets crystal-clear 4K 60fps images! Capture every crisp detail, even with extreme zoom. Perfect for live events, sports broadcasting, and studio production. Unparalleled image precision, pixel-free sharpness for dynamic, high-quality professional videos.

Premium 1-Inch Exmor CMOS Sensor

Masterful imaging powered by a 1-inch Sony Exmor RS[®] CMOS sensor. Experience exceptional 4K image quality with minimal noise, even in low-light environments. By capturing more light and detail, experience cinema-like depth, true-to-life colors, and outstanding clarity. Tailored for professional broadcasting, live streaming, and high-end video creation where visual excellence is paramount.

AI-Powered Auto Tracking

Advanced AI algorithms accurately and naturally follow the presenter, even with complex movements. Stable tracking with smooth and professional footage achieved through continuous, hands-free frame adjustments. Ideal for bringing live events, interviews, and presentations to life.

Precision-Engineered Motion System

Silky-smooth PTZ movement at variable speeds with zero gear backlash are made possible with broadcast-grade direct-drive motors. Industry-leading 0.05° precise camera positioning accuracy and optical-grade movement stabilization ensure pinpoint panning and tilting. Enjoy a natural, fluid experience in automated tracking, even in high-paced live productions and demanding presenter tracking scenarios.

Seamless Production Ecosystem Integration

Going beyond standard NDI[®] and Dante-compatible PTZ camera use, the TR615 offers SRT-enabled remote production and RTMP streaming. Genlock facilitates seamless multi-camera switching, automated presenter handoff between cameras, and tally light coordination across your production ecosystem. Build a cohesive, reliable infrastructure for broadcast studios, hybrid events, and live productions.

Simplified Deployment & Operation

Deploy the TR615 in just 10 minutes! With Intelligent Human Detection, the TR615 self-adjusts to focusing on the presenter, eliminating the need for complex manual setups. The intuitive Web UI allows remote camera control, tracking parameter adjustments, and easy fine-tuning — perfect for professional broadcasters and AV technicians.

Product Specifications

Camera		General	
Image Sensor	1" 4K Sony Exmor RS® CMOS	Power Requirement	AC 100 - 240V to DC 12V/5A
Total Picture Elements	20.92 Megapixels	Power Consumption	32.4W
Effective Picture Elements	17.25 Megapixels	PoE	PoE++
Output Resolutions	4K/60, 4K/59.94, 4K/50, 4K/30, 4K/29.97, 4K/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	Dimensions (W x H x D)	202.5 x 304.5 x 231.5 mm
		Net Weight	4.3 (±0.1) kg
		Application	Indoor
Minimum Illumination	1.4 lux (IRE50, F2.8, 30fps)	Tally Lamp	Yes
S/N Ratio	≥ 50 dB	Security	Kensington Slot
Gain	Auto, Manual	Remote Control	Infrared
TV Line	1600 (Center)	Operating Conditions	Temperature: 0 °C to +40 °C ; Humidity: 20% to 80%
Shutter Speed	1/4 to 1/10,000 sec	Storage Conditions	Temperature: -20 °C to +60 °C ; Humidity: 20% to 95%
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Sustainability	Plastic Material: ABS
White Balance	Auto, Manual, ATW, One Push, Indoor, Outdoor		Sustainability Method: PCR-PC
Optical Zoom	19X	IP Streaming	
Digital Zoom	12X	Resolution	4K 60fps
Total Zoom	228X	Network Video Compress Formats	H.264, H.265, MJPEG
Viewing Angles	DFOV: 77.8° (Wide) to 4.5° (Tele) HFOV: 69.5° (Wide) to 3.5° (Tele) VFOV: 41.5° (Wide) to 2.3° (Tele)	Network Audio Compress Formats	AAC-LC (48 K)
		Maximum Frame Rate	4K 60fps
		Bit-Rate Control Modes	VBR, CBR (selectable)
Focal Length	f = 9.79 mm (Wide) to 186.39 mm (Tele)	Range of Bit-Rate Setting	512 Kbps to 64 Mbps
Aperture (Iris)	F = 2.8 (Wide) to 4.5 (Tele)	Network Interface	10 / 100 / 1000 Base-T
Minimum Working Distance	1.5 m (Wide), 5.0 m (Tele)	Multi-Stream Capability	4K 60fps Standard Mode, Zoom Mode, NDI® Mode: 5 (RTSP, HDMI, USB, 12G-SDI, & NDI®) Teams Mode: 1 (USB)
Pan / Tilt Angles	Pan: ±170°, Tilt: +90° / -30°		
Pan / Tilt Speed (Manual)	Pan: 0.05° to 100° / sec, Tilt: 0.05° to 100° / sec		
Preset Speed	Pan: 200° / sec, Tilt: 200° / sec	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP, ONVIF
Preset Positions	10 (IR), 256 (RS-232 / RS-422 / IP)		
Camera Control - Interface	RS-232 (DIN8), RS-422 (RJ45), IP, USB		
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP), USB, ONVIF	NDI® HX3	Yes (Pre-installed)
		NDI® Embedded Bridge	Yes
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC	Dante AV-H	Yes (Available in 2025Q3)
Power Frequencies	50 Hz, 60 Hz	Camera Tracking Data Output	Supports Free-D Type D0 / D1
AI Technology		USB	
Auto Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode	Connector	USB 3.2 Gen 1
AI Feature	Multi-Presenter Detection	Video Format	MJPEG, YUY2
Privacy Protection Mechanisms		Audio Format	PCM
Protection Mode	Sleep Mode	Maximum Video Resolution	4K
Audio		USB Video Class (UVC)	UVC 1.1
Channel	2ch Stereo	USB Audio Class (UAC)	UAC 1.0
Codec	AAC-LC (48 K)	Web UI	
Sample Rates	48 KHz	Live Video Preview	Yes
Interface		Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Video Outputs	12G-SDI x 2, HDMI, IP, USB	Camera/Image Adjustment	Exposure, White Balance, Picture
Audio Outputs	12G-SDI x 2, HDMI, IP, USB	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Audio Inputs	Mic in, Line in, XLR	Supported Web Browsers	Chrome, Edge, Safari
Genlock Input	BNC	Software Tools	
Warranty		Device Utility	Supports Windows® 7 or later, macOS® 10.14 or later
Camera	5 Years	Enterprise Management	Supports Windows® 10 or later
Accessories	1 Year	Room Management	Supports Windows® 7 or later, macOS® 11.6 or later
Package Contents		Cloud Management	Supports Windows® 7 or later, macOS® 10.14 or later
Camera, Remote Control, RS-232 In/Out Cable, Din 8 To D-Sub 9 Cable, Power Adapter, Power Cord, Cable Tie (x7), M2 x 4 mm Screws (x6), M3 x 6 mm Screws (x3), 1/4"-20L 6.5mm Screws (x2), Cable Fixing Plate (x3), Ceiling Mount Brackets (x2), Drilling Paper, Quick Start Guide		PTZ Control Panel	Supports iOS & iPadOS® 11 or later
Optional Accessories		PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
AVer CL01 PTZ Camera Controller, L-Type Wall Mount		OBS Plugin for PTZ Cameras	Supports Windows® 8 or later, macOS® High Sierra v10.13 or later
		CaptureShare	Supports Windows® 7 or later, macOS® 10.14 or later

* Specifications may vary depending on location and are subject to change without notice.
† Exmor RS® is a trademark of Sony Group Corporation or its affiliates.

Product Appearance

Front

1

Tally Lamp

2

PTZ Camera

3

Power Indicator

4

IR Sensor

Back

5

Kensington Lock

6

RS-232

7

RS-422 In

8

RS-422 Out

9

Mic In

10

Audio In

11

XLR-R

12

XLR-L

13

Genlock

14

12G-SDI 1

15

12G-SDI 2

16

HDMI

17

USB 3.2 Gen 1

18

PoE++

19

DC 12V



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