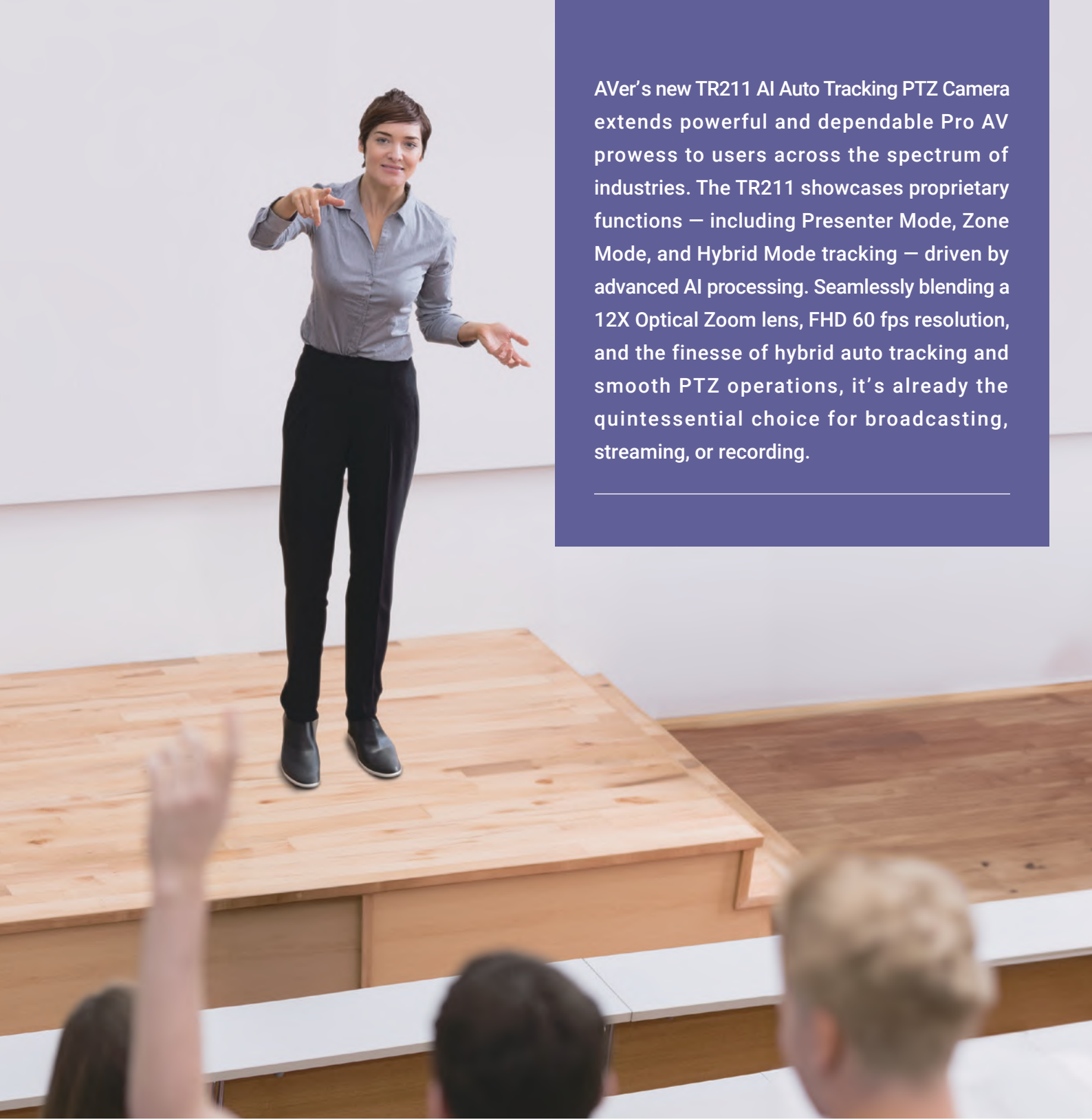# SUPERIOR PRO AV TRACKING

AVer **TR211**

AI Auto Tracking PTZ Camera

AVer's new TR211 AI Auto Tracking PTZ Camera extends powerful and dependable Pro AV prowess to users across the spectrum of industries. The TR211 showcases proprietary functions — including Presenter Mode, Zone Mode, and Hybrid Mode tracking — driven by advanced AI processing. Seamlessly blending a 12X Optical Zoom lens, FHD 60 fps resolution, and the finesse of hybrid auto tracking and smooth PTZ operations, it's already the quintessential choice for broadcasting, streaming, or recording.

Full HD 1080p Resolution	12X Optical Zoom	IP/HDMI/ USB/3G-SDI	Intuitive Web UI	5-Year Warranty

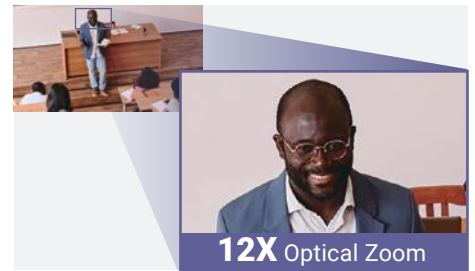| Human Detection AI	Presenter Mode	Zone Mode	Hybrid Mode	Voice Tracking*

* Voice Tracking requires PTZ Link.

12X Optical Zoom Magnifies Details

Experience the exceptional power of the TR211 camera's astounding 12X optical zoom. This feature seamlessly operates even while the camera is panning and tilting, granting you the ability to accentuate content and quickly shift between shooting perspectives. Embrace the advantage of dynamic, crystal-clear video feeds through the TR211's unparalleled PTZ performance.
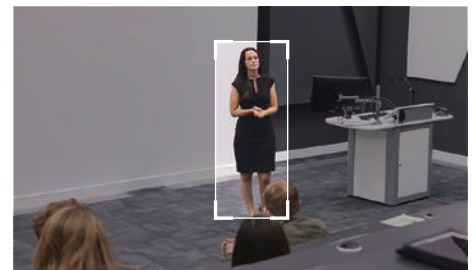
12X Optical Zoom

HDMI/USB/IP. 60 FPS.

Leverage the TR211's Full HD 1080p 60 fps streaming potential through HDMI, USB, and IP outputs. Free from intricate configurations and cable entanglements, you can effortlessly use multiple devices simultaneously to produce fluid video streams.

60 FPS

IP   USB HDMI

AI Auto Tracking Makes Streaming Smart & Effortless

Powered by highly precise processing, AVer's cutting-edge AI Auto Tracking algorithms easily identify and capture human figures and moving objects. You'll never lose track of your target again with the TR211's unmatched tracking precision.

Presenter Mode

Get unparalleled tracking performance with Presenter Mode. This dynamic feature empowers presenters to venture beyond the stage to engage with their audience while the camera maintains seamless tracking.

Zone Mode

Zone Mode elevates your ability to capture content across multiple displays. Generate up to four dedicated Content Zones to consistently capture displayed information or items, prioritizing important presentation materials over the presenter's movements.

Hybrid Mode

Free your performers by enabling unrestricted movement with Hybrid Mode. Use preset areas for zone tracking, letting the camera seamlessly switch to a full view of each pre-defined location as performers move through the areas. If they move beyond these zones, the camera seamlessly adapts, switching to presenter mode to effortlessly and precisely track their movements.

Product Specifications

Camera	
Image Sensor	1/2.8" 1080p Exmor CMOS
Effective Picture Elements	2 Megapixels
Output Resolutions	1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 720p/60, 720p/59.94, 720p/50, 720p/30, 720p/29.97, 720p/25
Minimum Illumination	0.46 lux (IRE50, F1.6, 30fps)
S/N Ratio	≥ 50 dB
Gain	Auto, Manual
TV Line	1000 (Center)
Shutter Speed	1/1 to 1/32,000 sec
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
White Balance	Auto, Manual
Optical Zoom	12X
Digital Zoom	1X
Viewing Angles	DFOV : 80.6° (Wide) to 7.7° (Tele) HFOV : 72.8° (Wide) to 6.7° (Tele) VFOV : 44.1° (Wide) to 3.8° (Tele)
Focal Length	f = 3.9 mm (Wide) to 46.8 mm (Tele)
Aperture (Iris)	F = 1.6 (Wide) to 2.8 (Tele)
Minimum Working Distance	0.3 m (Wide), 1.5 m (Tele)
Pan / Tilt Angles	Pan : ±170°, Tilt : +90° / -30°
Pan / Tilt Speed (Manual)	Pan : 0.1° to 100° / sec, Tilt : 0.1° to 100° / sec
Preset Speed	Pan : 200° / sec, Tilt : 200° / sec
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
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC
Power Frequencies	50 Hz, 60 Hz

AI Auto Tracking Functions	
Tracking Modes	Presenter Mode, Zone Mode, Hybrid Mode

Privacy Protection Mechanisms	
Protection Mode	Sleep Mode

AI Control Functions	
Gesture Control	Yes

Audio	
Channel	2ch Stereo
Codec	AAC-LC (48K), PCM (8K)
Sample Rates	48 / 44.1 / 32 / 24 / 16 / 8 KHz

Interface	
Video Outputs	3G-SDI, HDMI, IP, USB
Audio Outputs	3G-SDI, HDMI, IP, USB
Audio Inputs	Mic in, Line in

Warranty	
Camera	5 Years
Accessories	1 Year

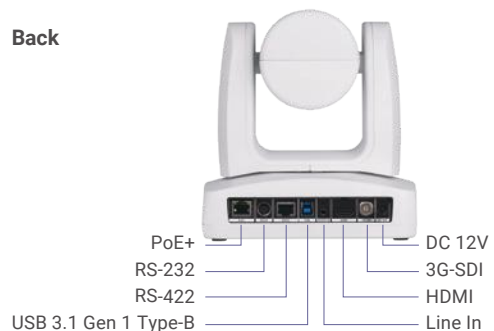| Package Contents	Camera, Remote Control, RS-232 In/Out Cable, Din 8 To D-Sub 9 Cable, Power Adapter, Power Cord, Cable Ties (x4), M2 x 4 mm Screws (x3), M3 x 6 mm Screws (x3), 1/4"-20L 6.5mm Screws (x2), Cable Fixing Plate, Ceiling Mount Brackets (x2), Drilling Paper, Quick Start Guide
Optional Accessories	AVer CL01 PTZ Camera Controller, L-Type Wall Mount

General	
Power Requirement	AC 100 - 240V to DC 12V/5A
Power Consumption	18W
PoE	PoE+
Dimensions (W x H x D)	180.0 x 192.0 x 145.0 mm
Net Weight	2.0 (±0.1) kg
Application	Indoor
Tally Lamp	Yes
Security	Kensington Slot
Remote Control	Infrared
Operating Conditions	Temperature : 0 °C to +40 °C ; Humidity : 20% to 80%
Storage Conditions	Temperature : -20 °C to +60 °C ; Humidity: 20% to 95%

IP Streaming	
Resolution	1080p 60fps
Network Video Compress Formats	H.264, H.265, MJPEG
Network Audio Compress Formats	AAC-LC (48K), PCM (8K)
Maximum Frame Rate	1080p 60fps
Bit-Rate Control Modes	VBR, CBR (selectable)
Range of Bit-Rate Setting	512 Kbps to 32 Mbps
Network Interface	10 / 100 / 1000 Base-T
Multi-Stream Capability	4 1080p 60fps: RTSP, HDMI & USB 1080p 60fps: 3G-SDI
Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP, VISCA over IP
NDI® HX3	N/A

USB	
Connector	USB 3.1
Video Format	MJPEG, YUY2
Audio Format	PCM
Maximum Video Resolution	1080p
USB Video Class (UVC)	UVC 1.1
USB Audio Class (UAC)	UAC 1.0

Web UI	
Live Video Preview	Yes
Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Camera/Image Adjustment	Exposure, White Balance, Picture
Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS

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® 9 or later
PTZ Link	Supports Windows® 7 or later, macOS® 10.14 or later
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.

Product Appearance

Front

Tally Lamp
IR Sensor — Power Indicator

Back

PoE+ — DC 12V
RS-232 — 3G-SDI
RS-422 — HDMI
USB 3.1 Gen 1 Type-B — Line In

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Distributor/Dealer

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