PTZ211

12X HD AI PTZ Camera

NDI® | HX3

SRT READY

Compatible with ClickShare Conference BARCO

TAA NDAA COMPLIANT

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

Professional PTZ Camera Provider

Capture Your Events in True-to-life Video Quality with AI!

The AVer PTZ211 12X HD AI PTZ Camera is our latest generation of PTZs to offer the best image quality, video streaming support and AI functionality. The camera offers 12X optical zoom, HD resolution, 2MP picture with 60fps and simultaneous output of USB/IP/HDMI/3G-SDI. The PTZ211 includes a number of impressive upgrades from the previous generation PTZ310W, including new improved performance, USB 3.0, a tally light to identify the active camera, and two IR sensors for reliable operation. The camera also includes a ceiling mount and is SRT Ready to optimize video streaming performance across unpredictable networks. Built-in AI functions provide preset content areas or adjust FOV to capture everyone on screen. Includes the 5 year AVerCare warranty for peace of mind.

| **Full HD** 1080p60	**12X** OPTICAL +	**4** Output		**2** MP	**AI**
HD Resolution	12X Optical Zoom	4 Multi-Stream Capability	Supports PoE+	2MP Picture	AI Functions

Multi-Stream Capability

- Simultaneous output support from all ports, USB/IP/HDMI/3G-SDI.

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
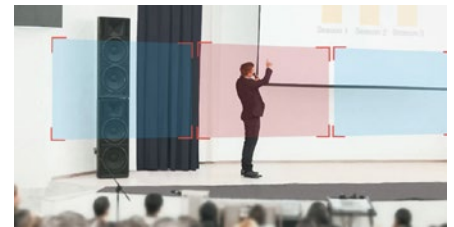
Seamless Content Capture with SmartShoot AI Functions

- Optimize your camera controls for automatic content capturing between preset areas
- Create a multi-camera feel across all your preset zones
- Save time and effort with a variety of shooting ranges
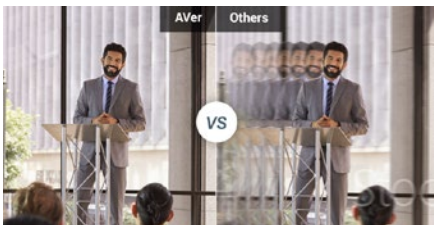
Advanced Motion Control

- Achieve precise camera movement during recording
- Pan/tilt rotation maneuvers as small as 0.1° per step and as fast as 200°
- Customizable speed controls allow you to optimize your recording
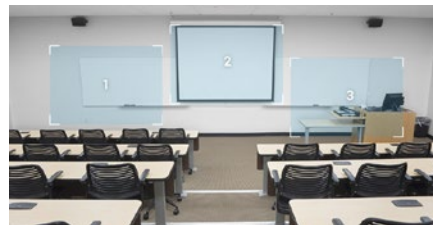
Prepare for Any Angle

- Up to 256 different preset locations through VISCA via RS232 and RS422 functionality
- Simplified IR remote and the ability to set 10 preprogrammed preset locations
- Easy manual control of the recording view with outstanding preset locations
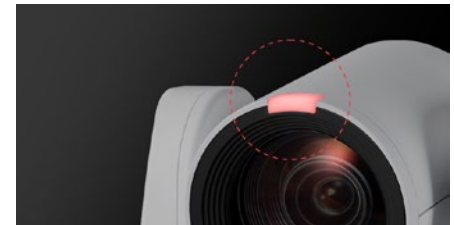
Tally Light

Simplify multi-camera live video productions with an illuminated red light on the active camera.

Product Specifications

PTZ211

Camera	Image Sensor	1/2.8" Full HD Exmor CMOS
	Effective Picture Elements	2 Megapixels
	Output 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
	Minimum Illumination	0.46 lux (IRE50, F1.6, 30fps)
	S/N Ratio	> 50dB
	Gain	Auto / Manual
	TV Lines	1000 (Center/Wide)
	Shutter Speed	1/1 to 1/32,000 sec
	Exposure Control	Auto, Manual, Priority AE(Shutter, IRIS), BLC, WDR
	White Balance	Auto, Manual, ATW, One Push
	Optical Zoom	12X
	Digital Zoom	1X
	Viewing Angles	DFOV : 69.2° (Wide) to 2.8° (Tele), HFOV : 62.3° (Wide) to 2.5° (Tele), VFOV : 37.3° (Wide) to 1.4° (Tele)
	Focal Length	f = 4.5 mm (Wide) to 135 mm (Tele)
	Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)
	Minimum Working Distance	0.1 m (Wide), 1.2 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 - Interfaces	RS-232 (DIN8), RS-422 (RJ45), IP
	Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), PELCO-D & PELCO-P (RS-232 / RS-422), CGI (IP)
	Image Processing	Noise Reduction (2D / 3D), Flip, Mirror
	Power Frequencies	50 Hz, 60 Hz
AI Functions	Modes	SmartShoot, SmartFrame
Audio	Audio - Channel	2ch Stereo
	Audio - Codec	AAC-LC
Interface	Video Outputs	3G-SDI, HDMI, IP, USB
	Audio Outputs	3G-SDI, HDMI, IP, USB
	Audio Input	MIC in, Line in
General	Power Requirement	AC 100 - 240V to DC 12V/2A
	Power Consumption	19W
	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 Light	Yes
	Security	Kensington Slot
	Remote Control	Infrared
	Operating Conditions	Temperature : 0 ℃ to +40 ℃ ; Humidity : 20% to 80%
	Storage Conditions	Temperature : -20 ℃ to +60 ℃ ; Humidity: 20% to 95%
IP Streaming	Resolution	1080p60
	Network Video Compress Formats	H.264, H.265, MJPEG
	Maximum Frame Rate	1080p60
	Bit-Rate Control Modes	VBR, CBR (selectable)
	Range of Bit-Rate Setting	512 Kbps to 120 Mbps
	Network Interface	10 / 100 / 1000 Base-T
	Multi-Stream Capability	4 - All Active Streams: IP, USB, HDMI, 3G-SDI
	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, DHCP, RTP / RTCP, RTSP, RTMP, SRT, HLS, NDI, LLDP
	NDI®|HX3 Capability	Yes
USB	Connector	USB 3.0 Type-B
	Video Formats	MJPEG, YUY2
	Maximum Video Resolution	1080p60
	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
	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® 11 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
Warranty	Camera	5 Years
	Accessories	1 Year
Package Contents	Camera, Drilling Paper, Ceiling Mount Bracket (x2), Quick Start Guide, Cable Fixing Plate, M2 x 4 mm Screw (x3), Power Adapter & Power Cord, 1/4"-20 L=6.5 mm Screw (x2), Remote Control, M3 x 6 mm Screw (x3), DIN 8 to D-Sub 9 Cable, RS-232 In/Out Y Cable, Cable Ties (x4), HDMI Cable (x1)	
Optional Accessories	AVer CL01 PTZ Camera Controller, L-Type Ceiling Mount	
Ordering Info	Part Number	PAPTZ211W

Hardware Specifications

Front

- Tally Light
- PTZ Camera
- Kensington Lock
- IR Receiver

Back

- DC 12V
- 3G-SDI
- HDMI
- Audio In
- USB TypeB
- PoE+
- RS232
- RS422

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