AVMATRIX®

FULL HD PTZ CAMERA

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PTZ1271-20X-POE | PTZ1271-20X-NDI
PTZ1271-30X-POE | PTZ1271-30X-NDI

- 1/2.8" HD CMOS Sensor, 20X/30X Optical Zoom
- HDMI & 3G-SDI Video Output, PoE Power
- RS-232/RS-485 Serial Control, Cascading
- Streaming Protocols: RTSP, RTMP, SRT & NDIHX(optional)
- Control Protocols: Onvif, VISCA over IP, VISCA, PELCO-D/P
- Tripod, Wall & Ceiling Mounting

Multiple Outputs

The PTZ camera includes various interfaces. SDI, HDMI, IP outputs allow users to output an up to FHD 1080p signal simultaneously. The LAN port supports Power Over Ethernet(PoE), NDI|HX 5.0(optional) and IP streaming via RTSP, RTMP protocols. It offers an audio line-in for NDI/IP streams. Users can control the PTZ camera easily via LAN port or RS-232 /RS-485 serial port.

RS232 IN | RS232 OUT | RS485 | AUDIO-IN | 3G-SDI | HDMI | LAN | DC-12V

Zoom Lens Optional

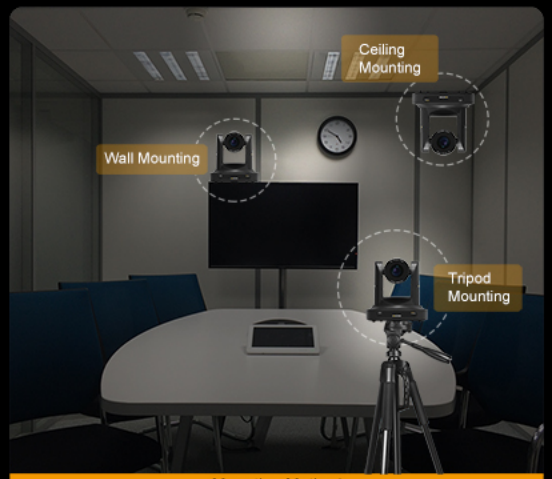
Provides 20×/30× optical zoom lens for effective close-up and wide-angle shooting. Quick pan and tilt speeds and picture controls like brightness, color, saturation, contrast, sharpness provide precision control of your images.

Easily Control

The PTZ camera can be easily controlled by IR remote control, Web UI as well as the joystick camera controller via IP or serial port. Multiple control protocols are supported including ONVIF, VISCA over IP, VISCA, PELCO-D, PELCO-P.

A Variety of Installation

Support image flip function, the bottom thread of the camera can be used for mounting suitable for tripod mounting wall mounting, ceiling mounting. Widely used in many applications in broadcasting, education, church and other fields



Mounting Method

Education

Broadcast

Technical Specifications

Model No.:		PTZ1271-20X-POE	PTZ1271-30X-POE	PTZ1271-20X-NDI	PTZ1271-30X-NDI
INTERFACES	Video Out	SDI, HDMI			
	Audio Input	3.5mm audio (Line-level)			
	Control Interface	RS-232 In and Out, RS-485 In			
	Control Protocol	Onvif, VISCA over IP, VISCA, PELCO-D/P			
	Video Format	HDMI/ SDI Video up to 1080P60			
	LAN Port	IP Streaming: RTSP/ RTMP/ SRT			
		POE	POE	POE & NDI|HX	POE & NDI|HX
CAMERA PARAMETERS	Optical Zoom	20×	30×	20×	30×
	Focal Length	f=5.5-110mm	f=4.3-129mm	f=5.5-110mm	f=4.3-129mm
	View Angle	3.3°(tele) 54.7°(wide)	2.34°(tele) 65.1°(wide)	3.3°(tele) 54.7°(wide)	2.34°(tele) 65.1°(wide)
	Aperture Value	F1.6 ~ F3.5	F1.6 ~ F4.7	F1.6 ~ F3.5	F1.6 ~ F4.7
	Sensor	1/2.8 inch, High quality HD CMOS sensor			
	Effective Pixels	16: 9, 2.07 Megapixel			
	Digital Zoom	10×			
	Minimum Illumination	0.5Lux (F1.8, AGC ON)			
	DNR	2D & 3D DNR			
	SNR	>55dB			
	White Balance	Auto/ Manual/ One Push/ 3000K/ 3500K/ 4000K/ 4500K/ 5000K/ 5500K/ 6000K/ 6500K/ 7000K			
	WDR	OFF/ Dynamic level adjustment			
	Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve			
	Other Camera Parameters	Auto Focus, Auto Aperture, Auto Electronic Shutter, BLC			
PTZ PARAMETERS	Rotation Angle	Pan: ±170°, Tilt: -30°~+90°			
	Rotation Speed	Pan: 60°/sec (Range: 0.1 -180°/sec), Tilt: 30°/sec (Range: 0.1-60°/sec)			
	Preset Number	255 presets (10 presets by remote controller)			
OTHERS	Input Voltage	DC12V±10%			
	Input Current	1A (Max)			
	Consumption	12W (Max)			
	Temperature	Working Temperature: -10~+50°C, Store Temperature: -10~+60°C			
	Working Humidity	Working Humidity: 20~80% RH (no condensation), Store Humidity: 20~95% RH (no condensation)			
	Dimension	170×170×180.31mm			
	Weight	Net weight: 1.25kg, Gross weight: 2.1kg			
	Accessories	Power Supply, RS232 Control Cable, Remoter, Manual			
	Installation Methods	1/4 inch tripod hole; Bracket installation for Optional			

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