

**PTZOptics PT12X-NDI-ZCAM 12x 1080p NDI/HX HD-SDI Box Camera/3.5mm-42.3mm Lens/White**

Video System	1080p-60/50/30/25, 1080i-60/50, 720p-60/50 (With IP stream/NDI® HX currently limited to max 1080p30)
Sensor	Panasonic 1/2.7", CMOS, Total Pixels: 2.12M, Effective Pixels: 2.07M
Scanning Mode	Progressive
Lens	12x; f3.5mm - 42.3mm; F1.8 - F2.8
Minimal Illumination	0.5 Lux (@F1.8, AGC ON)
Shutter	1/30s - 1/10000s
White Balance	Auto, Indoor, Outdoor, One-Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Video S/N	>55dB
Horizontal Angle of View	6.9° - 72.5°
Vertical Angle of View	3.9° - 44.8°
Ceiling Installation	Yes
Image Mirroring	Yes
Number of Presets	255
Preset Accuracy	0.1°
Video coding standards	H.264, H.265, MJPEG
Video Freeze	Yes
Face Detection	Via Future Firmware Update
<b>Input/Output</b>	
HD Output	1x SDI (3G-SDI), BNC female
	1x RJ45 IP 10/100/1000 Ethernet Port
Network Interface and Output	1x RJ45: 10M/100M/1000M Adaptive Ethernet port
Audio Input	1-ch 3.5mm audio interface, LINE IN (embedded on IP Stream only)
Audio Output	Not active on this model
Control Input / Output	1x RS-485: 3pin phoenix port, Max Distance: 1500m, Protocols: VISCA/Pclco-D/Pclco-P
<b>IP Video Features</b>	
Video Compression	H.265/H.264/M-JPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Sub Stream Resolution	1280x720, 1024x576, 720x576, 720x480, 720x408, 640x360,480x270, 320x240, 320x180
Video Bit Rate	32Kbps ~ 20480Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1 fps ~ 50fps, 60Hz: 1fps ~ 60fps (SDI)   50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps (IP Stream)
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support Protocols	TCP/IP, HTTP, RTSP, RTMP, DHCP, Multicast, etc.
<b>General Specifications</b>	
Power Connector	JEITA type (DC IN 12V) or RJ45 via PoE 802.3af
Input Voltage	12VDC (10.8 - 13.0V DC)
Current Consumption	0.5A(Max)
Operating Temperature	14°F - 104°F [-10°C ~40°C]
Storage Temperature	-40°F - 140°F [-40°C ~ 60°C]
Power Consumption	6W (Max)
Dimensions (w x h x d) in.	3.1" x 2.9" x 5.7" (6.3" including SDI)
Dimensions (w x h x d) mm.	78mm x 73mm x 143mm (160mm including SDI)
Weight	1.4 lbs. [0.63kg]