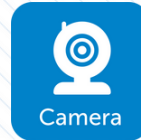


USB/NDI/IP PTZ Camera 12x Zoom, PoE

500791-NDI



Overview

The MuxLab USB/NDI/IP PTZ Camera 12X Zoom, PoE (model: 500791-NDI) is a full HD 1080p HDMI, USB and IP streaming camera with Pan, Tilt, and Zoom capability for extreme flexibility and reach. The camera supports uncompressed video via an HDMI or USB output for local connectivity, and H.264/H.265 compressed video for streaming over the Internet, while supporting a 12X optical zoom.

The USB/NDI/IP PTZ Camera 12X Zoom, PoE features an advanced AI algorithm that allows it to provide precise body tracking, supports PoE for convenience when powering the device, and a 1/2.8", 2.07 million effective pixels high-quality CMOS sensor to capture video. The camera supports a focal length of f3.5mm to 42.3mm, an aperture of F1.8 to 2.8, a shutter speed of 1/30s to 1/10000s, and a minimum illumination of 0.05 Lux for low-light conditions.

The USB/NDI/IP PTZ Camera 12X Zoom, PoE may be remotely managed via IP and RS232 for added convenience.

Applications

- Local AV capture and monitoring
- Live AV presentation broadcasts over the Internet
- Live AV streaming to YouTube, Facebook, and Wowza
- Streaming to OBS and Wirecast AV content production tools
- Ideal for House of Worship, Fitness Training, Cooking Classes, etc

Key Features

- Maximum resolution of 1920 x 1080 (Full HD) at 60Hz
- Supports SDI, HDMI, USB 3.0 and network audio-visual output
- Built-in advanced AI algorithm that enables precise body tracking
- Supports 12x optical zoom and 72.5° horizontal field of view
- Supports Full NDI protocol
- Advanced Auto-focusing Technology
- Built-in dual microphone to capture sound
- Provides an economical solution for live streaming, conferencing and education

Specification

Camera

Video System (HDMI, 3G-SDI)	1080P60, 1080P59.94, 1080P50, 1080I60, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Electronic Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Supported
SNR	≥55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Supported
Image Freeze	Supported
Number of Presets	255
Preset Accuracy	0.1°

Audio

Microphone Array	Built-in dual microphone, 100Hz to 16KHz frequency response
Analog Audio Input	Supported 3.5mm Line-In
Digital audio output	Supported HDMI, USB, LAN, 3G-SDI
Analog audio output	Supported 3.5mm Line-Out

USB Feature

Operating System	Windows® 7, Windows 8.1, Windows 10 and up macOS™ 10.10 and up Google™ Chromebook™ Version 29.0.1547.70 and up Linux (only for UVC)
Hardware Requirement	2.4 GHz Intel® Core 2 Duo processor and up 2 GB internal storage and up USB 2.0 interface
Color System / Compression	YUY2/MJPEG/H.264
Video Format	video format of multi frame rate and resolution ratio, up to 1080P60 YUY2.
USB Video Communication Protocol	UVC 1.1 or UV C1.5
Audio on USB	32K sampling frequency, supported UAC2.0
UVC PTZ Control	Supported

IP Camera

Video Compression	H.264
Video Stream	First and second streaming
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 ~ 102400Kbps
Bit Rate Control	VBR, CBR
frame rate	1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Supported protocols	FULL NDI, NDI HX, TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, SRT, GB/T28281

Input/Output Interface

USB	1-ch, USB 3.0: Type-A
HD Output	1 x HDMI: V 1.3 1 x 3G-SDI: BNC type, 800mVp-p, 75Ω, Comply with SMPTE 424M standard
Network Interface	1 x RJ45:10M/100M/1000M Adaptive Ethernet, supported PoE
Audio interface	1 x Line In, 3.5mm Jack 1 x Line Out, 3.5mm Jack
Control Interface	1 x RS232 In: 8pin Min DIN, Max Distance: 30m, VISCA/Pelco-D/Pelco-P 1 x RS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA only 1 x RS485: 2pin phoenix port, Max Distance: 1200m, VISCA/Pelco-D/Pelco-P
Power Jack	JEITA Type (Input 12VDC)

Generic Specification

Input Voltage	12VDC, PoE (802.3af)
Input Current	1.5A (Max)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-10°C ~ 50°C
Power Consumption	15W
Size	169mm x 142mm x 175mm
Net Weight	1.5Kg
Warranty	2 years
Order Information	500791-NDI USB/IP PTZ Camera 12x Zoom, PoE (UPC: 627699027912)



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