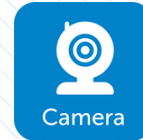


USB/NDI/IP PTZ Camera 30x Zoom, PoE

500790-V2



Overview

The MuxLab USB/NDI/IP PTZ Camera 30X Zoom, PoE (model: 500790-V2) 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 30X optical zoom.

The USB/NDI/IP PTZ Camera 30X 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 1/2.7", 2.07 million effective pixels high-quality CMOS sensor to capture video. The camera supports a focal length of f4.42mm to 132.6mm, 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 30X 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 Full NDI protocol
- Supports 30x optical zoom and 60.7° horizontal field of view
- 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	1080P60, 1080P59.94, 1080P50, 1080I60, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50
Sensor	1/2.8-inch high-quality UHD CMOS sensor with a maximum of 2.07 million pixels
Scanning Mode	Progressive scanning
Lens	30x, f4.42mm ~132.6mm, F1.8 ~ F2.8
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Electronic Shutter	1/30s ~ 1/10000s
White Balance	automatic, manual, one touch, Specifying color temperature, indoor, outdoor
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Supported
Video S/N	≥55dB
Horizontal Angle of View	60.7° ~ 2.28°
Vertical Angle of View	34.1° ~ 1.28°
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

Digital audio pickup	Built-in microphone array, 100Hz to 16KHz frequency response
Analog audio input	Supported 3.5mm Line-In
Digital audio output	Supported HDMI, USB, LAN, SDI audio output
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	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 Type	Variable bit rate, Fixed bit rate
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: V1.3 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 Audio Interface 1 x Line Out, 3.5mm Audio Interface
Communication 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, VISCA network use only 1 x RS485: 2-POS Terminal Block, Max Distance: 1200m, VISCA/Pelco-D/Pelco-P
Power Jack	JEITA Type (DC IN 12V)

Generic Specification

Input Voltage	DC 12V, PoE (802.3af)
Input Current	1000mA
Operating Temperature	0°C ~ 40°C
Storage Temperature	-10°C ~ 50°C
Power Consumption	12W
Size	146mm x 169mm x 168mm
Net Weight	1.5Kg
Warranty	2 years
Order Information	500790-V2 USB/NDI/IP PTZ Camera 30x Zoom, PoE (UPC: 627699017906)



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