Overview:

The MuxLab HDMI/IP PTZ Camera is a full HD 1080p HDMI and IP streaming camera with Pan, Tile and Zoom capability for extreme flexibility and reach. The camera supports both uncompressed video via an HDMI outport for local connectivity, and H.264/H.265 compressed video for streaming over the Internet, while supporting a 12X optical zoom and 16X digital zoom.

The HDMI/IP PTZ Camera is suitable as a standalone device for video conferencing, education, houses of worship, fitness training and many other live streaming applications to broadcast services such as YouTube, Facebook, Wowza and others. The device is also compatible with MuxLab's Live Streaming kits include the 500785 Multi-Camera Live Streaming Solution, and 500786 Single Camera Live Streaming solution which support enhanced features and capabilities.

The HDMI/IP PTZ Camera supports a 1/2.7", 2.07 million effective pixel high-quality CMOS sensor to capture video, plus an audio input for 2 channel audio sources such as microphones. 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 0.5 Lux for low-light conditions.

The HDMI/IP PTZ Camera 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 a Panasonic's 1/2.7 inch, 2.07 million effective pixels high quality HD CMOS sensor
- Uses a 72.5° wide-angle high quality lens
- Supports a 12x optical zoom, and up to 16x digital zoom
- High SNR CMOS sensor combined with 2D & 3D noise reduction algorithm, effectively reducing noise even under low light
- Supports AAC audio encoding for better sound quality at a lower bandwidth
- Designed with worm gear drive for reliable and accurate movement
- May be remotely controlled via RS232 and IP
- Works as a standalone device and is compatible with MuxLab's Live Streaming Kits (models 500785 & 500786)

Specifications	
Video	HDMI 1.3 and H.264/H.265 Streams
Sensor	1/2.7 inch, CMOS, Effective Pixels: 2.07M
Scanning Mode	Progressive
Lens	Focal length of 3.5mm to 42.3mm, aperture of F-Stop of 1.8 to F2.8, shutter speed of 1/30s to 1/10000s
Zoom	Optical Zoom: 12x / Digital Zoom: 16x
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Angle of View	Horizontal: 72.5° to 6.9° / Vertical: 44.8° to 3.9°
Rotation Range	Horizontal: -170° to +170° / Vertical: -30° to +90°
Video coding standard	H.265/H.264/MJEPG
Video Stream	Two streams supported: First Stream & Second Stream
First Stream resolution	1920x1080,1280x720,1024x576,960x540,640x480,640x360
Second Stream resolution	1280x720,1024x576,720x576,720x408,640x360,480x270,320x240,320x180
Video Bit Rate	128Kbps to 8192Kbps
Bit Rate Type	Variable and Fixed rate
Frame Rate	50Hz: 1fps to 50fps, 60Hz: 1fps to 60fps
Audio Encoding	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Connectors	One (1) HDMI 1.3 One (1) RJ45: 10/100/1000M Ethernet port One (1) 3.5mm jack for 2 CH analog audio input One (1) RS-232: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P One (1) JEITA type connector for power (12VDC)
Power	DC 12V @ 1A (Max)
Power Consumption	12W (Max)
Unit dimensions	6.65" x 5.59" x 6.46" (169mm x 142mm x 164mm)
Unit Weight	2.02 lbs (0.92 kg)
Shipping Weight	5.37 lbs (2.44 kg)
Temperature	Operating: -10° to 40°C Storage: -40° to 60°C
Warranty	2 years
Order Information	500791 HDMI/IP PTZ Camera (UPC: 627699907917)

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