



VC-B50U

4K PTZ IP Camera

The Lumens® VC-B50U UHD PTZ IP camera features a 1 / 2.8 inch sensor with 4K Ultra HD. The 20x optical zoom lens, excellent white balance, and exposure mode provide clear images in low light and high-contrast environments. With Ethernet, HDMI, 3G-SDI and USB interfaces, it supports H.264 / HEVC (H.265) live broadcasting, ensuring top-quality visuals and compatibility with various equipment. Ideal for lecture recording, video conferencing, and live broadcasting.

Key Features

- A powerful and cost-effective UltraHD PTZ camera with 3G-SDI, HDMI, USB and IP streaming
- Supports 4K UHD
- Powerful 20x optical zoom
- Easy installation: delivers video output via Ethernet, HDMI, 3G-SDI and USB simultaneously
- Excellent support: 5 year warranty as standard



4K Video Output

Supporting 4K and 1080p output, VC-B50U is future-proofed for all your production requirements for years to come. The CMOS sensor is partnered with a high brightness zoom lens which enables the camera to excel in virtually every lighting condition. It makes the VC-B50U a great PTZ choice, whether installed in a studio, theatre, conference center, or lecture hall.



Quad Video Output

The camera delivers video over HDMI and SDI, making it suitable for AV and video workflows. Its USB video output is compatible with most VC / UC platforms and the Ethernet port is optimized to stream video over IP.



AV Integration and Control

Lumens VC-B50U supports both PoE (Power over Ethernet) and a 12v DC input. It also features dedicated RS-232 in-out ports, and Ethernet-based control protocol support (including Crestron, Extron, Visca and Visca over IP). This gives the camera an unparalleled level of flexibility: whatever the video workflow, whatever the AV integration, VC-B50U is ready to take the complexity out of camera installation and management.



Flexible Mounting

The VC-B50U can be positioned upright or suspended from the ceiling installation. When inverted, the camera can re-orient the image and flip the camera controls.



Product Specifications

PTZ Camera	
Sensor	1/2.8" 8MP CMOS
Video Format	2160p : 30 / 25 1080p : 60 / 50 / 30 / 25 720p : 60 / 50
Video Output (HD) Interface	HDMI / Ethernet / 3G-SDI / USB 3.0
Optical Zoom	20x
Digital Zoom	12x
Horizontal Viewing Angle	58.7°
Vertical Viewing Angle	33°
Diagonal Viewing Angle	67.3°
Aperture	F1.6 ~ F2.8
Focal Length	4.9 mm ~ 94 mm
Shutter Speed	1/25 ~ 1/10,000 sec
Minimum Object Distance	1000 mm
Video S/N Ratio	> 50dB
Minimum Illumination	1 Lux (F1.6, 50IRE, 30fps)
Focus System	Auto / Manual
Gain Control	Auto / Manual
White Balance	Auto / Manual
Exposure Control	Auto / Manual
WDR	Yes
3D NR	Yes
Image Flip	Yes
Pan & Tilt	
Panning Angle	+170 ~ -170°
Panning Speed	0.2 ~ 120°/sec
Tilting Angle	+90 ~ -30°
Tilting Speed	0.2 ~ 60°/sec
Preset Positions	256

Output	
HDMI	2160p 30
3G-SDI	1080p 60
IP Stream	PTZ Camera Main : 2160p 30 / 1080p 60 Second : 720p 30
IP Compression	HEVC (H.265) / H.264
USB Output	1080p 30
USB Compression	MJPEG
Network	
IP Protocol	HTTP / RTSP / RTMP / RTMPS / SRT
PoE	Yes (IEEE802.3af)
Audio	
Audio Input	Line In
Audio Output	Ethernet / USB 3.0 / HDMI / SDI
Audio Compression Format	AAC / PCM
Camera Control	
Interface	RS-232 / Ethernet / USB 3.0
Protocol	VISCA / VISCA over IP
UVC	Yes
UAC	Yes
General	
DC In	12V +/- 20%
Power Consumption	PoE: 11W DC In: 10W
Body Color	Black
Weight	3.3 lbs (1.5 kg)
Dimension	7.5" x 7.3" x 5.4" (190 x 185 x 138 mm)

I/O Connections



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