



## 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 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		Output	
Sensor	1/2.8" 8MP CMOS	HDMI	2160p 30
Video Format	2160p : 30 / 25 1080p : 60 / 50 / 30 / 25 720p : 60 / 50	3G-SDI	1080p 60
Video Output (HD) Interface	HDMI / Ethernet / 3G-SDI / USB 3.0	IP Stream	PTZ Camera Main : 2160p 30 / 1080p 30 Second : 720p 30
Optical Zoom	20x	IP Compression	HEVC (H.265) / H.264
Digital Zoom	12x	USB Output	1080p 30
Horizontal Viewing Angle	58.7°	USB Compression	MJPEG
Vertical Viewing Angle	33°	<b>Network</b>	
Diagonal Viewing Angle	67.3°	IP Protocol	HTTP / RTSP / RTMP / RTMPS / SRT
Aperture	F1.6 ~ F2.8	PoE	Yes (IEEE802.3af)
Focal Length	4.9 mm ~ 94 mm	<b>Audio</b>	
Shutter Speed	1/25 ~ 1/10,000 sec	Audio Input	Line In
Minimum Object Distance	1000 mm	Audio Output	Ethernet / USB 3.0 / HDMI / SDI
Video S/N Ratio	> 50dB	Audio Compression Format	AAC / PCM
Minimum Illumination	1 Lux (F1.6, 50IRE, 30fps)	<b>Camera Control</b>	
Focus System	Auto / Manual	Interface	RS-232 / Ethernet / USB 3.0
Gain Control	Auto / Manual	Protocol	VISCA / VISCA over IP
White Balance	Auto / Manual	UVC	Yes
Exposure Control	Auto / Manual	UAC	Yes
WDR	Yes	<b>General</b>	
3D NR	Yes	DC In	12V +/- 20%
Image Flip	Yes	Power Consumption	PoE: 12.95W DC In: 12W
<b>Pan &amp; Tilt</b>		Body Color	Black / White
Panning Angle	+170 ~ -170°	Weight	3.3 lbs (1.5 kg)
Panning Speed	0.2 ~ 120°/sec	Dimension	7.5" x 7.3" x 5.4" (190 x 185 x 138 mm)
Tilting Angle	+90 ~ -30°		
Tilting Speed	0.2 ~ 60°/sec		
Preset Positions	256		

## I/O Connections



**Lumens**<sup>®</sup>

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