

VC-A50PN

IP PTZ Camera with NDI®

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The Lumens® VC-A50PN HD Pan/Tilt/Zoom (PTZ) IP camera is equipped with a professional 1/2.8 inch image sensor with Full HD 1080p output at 60 fps. It's powered by Power over Ethernet (PoE+), an economical and easy integration solution. The superior 20x optical zoom lens, excellent white balance, and expo sure mode delivers a clear image, even in low light or the extreme contrast of brightness and darkness in a lecture hall.

The VC-A50PN has Ethernet, HDMI, and 3G-SDI outputs that are simultaneously active. It supports live broadcasting with H.264 format with latency of less than 120ms. The camera covers wide shooting angles and achieves high-speed, quiet, and precise positioning with smooth PTZ operations.

The VC-A50PN is an applicable solution for lecture recording, videoconferencing, and live broadcasting applications.

Key Features

- Full HD 1080p signal output format with a high frame rate of 60 fps
- 20x optical zoom
- Supports live broadcasting
- Supports Power Over Ethernet (PoE+)
- Supports NDI® technology for NDI-based video production
- Ethernet low latency (< 120 ms)
- Ethernet, HDMI, and 3G-SDI synchronous image outputs
- Maximum horizontal/vertical speed of rotation: 120 degrees/second
- Audio input supports AAC encoding



More Details

Image Quality

The VC-A50PN is equipped with a professional 1/2.8 inch image sensor with Full HD 1080p output resolution. The sensor provides high color reproduction, high-definition signals, and crystal-clear image quality.

Easy Installation

Powered by PoE+ (Power over Ethernet) allowing a cost-effective and simple installation.

Ethernet Interface

The VC-A50PN supports H.264 video compression format that can reduce the bandwidth for transmitting video. This technology can decrease hard disk space when recording.

Supports NDI® Technology

The VC-A50PN can connect directly to a NDI® network, utilizing

NDI-based video production workflows without additional configuration, reducing cost and set-up time.

Wide Range Pan/Tilt/Zoom Action

The VC-A50PN has a wide shooting area (pan angle from -170° to +170° ; tilt angle from -30° to +90°), as well as quiet, fast, and precise positioning movements.

Multiple Signal Interface Formats

The VC-A50PN is able to switch video output formats to Full HD for compatibility in various display devices.

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Audio Input Support

The VC-A50PN has a stereo audio input with AAC encoding transmission through the Internet, SDI and HDMI extending the distance of an audio device. This enhances sound quality while reducing installation cost.

Ethernet Low-Latency

The VC-A50PN supports low-latency and the fast response time is less than 120 ms that allows unnoticeable delays between a live image and its output on the screen.

Product Specifications

Sensor	1/2.8" 2.41MP CMOS	WDR	Yes
Video Format	1080p : 60 / 59.94 / 50 / 30 /29.97 / 251080i : 60 / 59.94 / 50 720p : 60 / 59.94 / 50	3D NR	Yes
Video Output (HD) Interface	3G-SDI / HDMI / Ethernet	Image Flip	Yes
Optical Zoom	20x	Preset Positions	128
Horizontal Viewing Angle	57°	Multiple Video Stream	1080p 60 / 640x360p 30 *HDMI/ SDI output 1080i60 NDI streams 1080p30
Vertical Viewing Angle	32.1°	Audio Compression Format	AAC
Diagonal Viewing Angle	65.4°	Control Interface	RS-232 / RS-422 / Ethernet
Panning Angle	+170° ~ -170°	Control Protocol	VISCA / PELCO D / NDI
Panning Speed	120°/sec	Tally Light	Yes
Tilting Angle	+90° ~ -30°	PoE	PoE+ (IEEE802.3at)
Tilting Speed	120°/sec	Video Stream	NDI HX
Aperture	F1.6~F3.8	Video Compression	H.264
Focal Length	5.33mm~110mm	Audio Input	Line In / MIC In (Phone Jack 3.5mm x1)
Shutter Speed	1/1 ~ 1/10,000 sec	Audio Output	Ethernet / SDI / HDMI
Minimum Object Distance	1.5m (Wide/Tele)	IR Pass-through	Yes
Video S/N Ratio	> 50dB	IR Receiver	Yes
Minimum Illumination	1.0 lux (F1.6, 50IRE, 30fps)	IR Remote Control	Yes
Focus System	Auto / Manual	Power Consumption	PoE : 17.5W DC In : 16W
Gain Control	Auto / Manual	Weight	4.4lbs (2 kg)
White Balance	Auto / Manual	Dimensions	6.9" x 7.3" x 7.3"(174 x 186 x 187 mm)
Exposure Control	Auto / Manual		

I/O CONNECTIONS

