



VC-A51PN

FHD NDI® |HX PTZ Camera



1080p 60fps PTZ camera with 20x optical zoom, NDI, HDMI and 3G-SDI.

Lumens VC-A51PN is a superb NDI-enabled camera which is ideal for live events, remote production and video studios. It provides NDI®|HX output and offers multiple streaming protocols such as RTSP, RTMP, RTMPS and SRT. The camera works seamlessly with popular services such as YouTube and Facebook and production systems including OBS, Wirecast, TriCaster and vMix.



Key Features

- Professional Sony image sensor
- Simultaneous NDI®|HX, HDMI, and 3G-SDI video output
- Supports 1080p at 60fps
- Versatile 20x optical zoom
- 5-year warranty*



Live and Remote Production

Featuring HDMI and 3G-SDI outputs, the VC-A51PN can seamlessly fit into almost any AV, broadcast, or IP workflow. Utilizing NDI®|HX, the VC-A51PN enables video production and distribution over standard Ethernet networks. With NDI®|HX, the VC-A51PN can instantly join the live production environment and bridge the remote film crews.



Versatile Network Distribution

The VC-A51PN produces a high-quality, low latency NDI®|HX video stream. It also supports multiple streaming protocols including RTSP, RTMP, RTMPS and SRT for distribution across networks and transmission to remote audiences. No additional hardware and software are required to stream directly to live streaming platforms such as YouTube and Facebook Live.



Excellent Low-Light Performance

The VC-A51PN features a high sensitivity 1/2.8" 2.16MP Sony CMOS sensor. Thanks to its superb WDR (wide dynamic range), 3D noise reduction, advanced auto-focus, and auto-white balance algorithms, the camera produces crisp and clean video even in dimly lit environments.



Fast, Smooth & Quiet PTZ Movement

The VC-A51PN's robotic mechanism allows the camera to pan -170° to +170° and tilt from -30° to +90° in a rapid, smooth and quiet movement at up to 300° a second. The operator can use a hardware controller or NDI Tools to remotely control the speed and direction of motion for professional results.

Applications



Broadcast

Streamline remote workflows and broadcast events in real-time to on-site and remote audiences.



Esports

Connect globally with fans on popular live streaming platforms, such as Twitch.



House of Worship

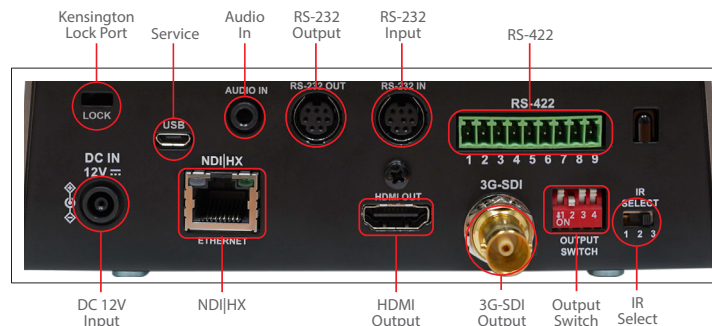
Livestream worship services online. An easy way to keep your congregation engaged.

Product Specifications

Camera	
Sensor	1/2.8" 2.16MP CMOS
Video Format	1080p: 60 / 59.94 / 50 / 30 / 29.97 / 25 1080i: 60 / 59.94 / 50 720p: 60 / 59.94 / 50
Video Output (HD) Interface	3G-SDI / HDMI / Ethernet
Optical Zoom	20x
Viewing Angle	57° (H) 32.1° (V) 65.4° (D)
Aperture	F1.6~F3.8
Focal Length	5.33mm~110mm
Shutter Speed	1/1 ~ 1/10,000 sec
Minimum Object Distance	1.5m (Wide/Tele)
Video S/N Ratio	> 50dB
Minimum Illumination	1.0 lux (F1.6, 50IRE, 30fps)
Focus System	Auto / Manual / Smart AF
Gain Control	Auto / Manual
White Balance	Auto / Manual
Exposure Control	Auto / Manual
WDR	Yes
3D NR	Yes
Image Flip	Yes
Tally Light	Yes
Pan & Tilt	
Panning Angle	+170° ~ -170°
Panning Speed	300° / sec
Tilting Angle	+90° ~ -30°
Tilting Speed	300° / sec
Preset Positions	128

Output	
HDMI / 3G-SDI	1080p60
IP Stream	(NDI HX Stream) 1080p 60fps, 640x360 30fps (IP Stream) H.264 1080p 60fps H.264 / MJPEG D1 30fps
IP Compression	H.264 / MJPEG
Network	
IP Protocol	NDI HX / RTSP / RTMP / RTMPS / MPEG-TS / SRT
PoE	PoE+ (IEEE802.3at)
Audio	
Input	Line In / MIC In
Output	Ethernet / SDI / HDMI
Compression Format	G.711
Camera Control	
Interface	RS-232 / RS-422 / Ethernet
Protocol	NDI / VISCA / VISCAIP / PELCO D / ONVIF
IR Pass-through	Yes
IR Receiver	Yes
IR Remote Control	Yes
General	
DC In	12V +/- 20%
Power Consumption	PoE: 18.5W DC In: 17W
Weight	4.4 lbs (2 kg)
Dimensions (W x H x D)	6.9" x 7.3" x 7.3" (174 x 186 x 187 mm)

I/O Connections



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