

# Lumens®

## NDI HX2



# 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\*



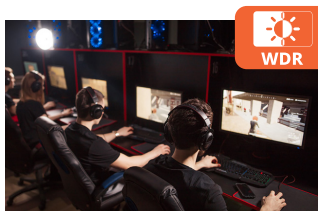
### Live and Remote Production

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

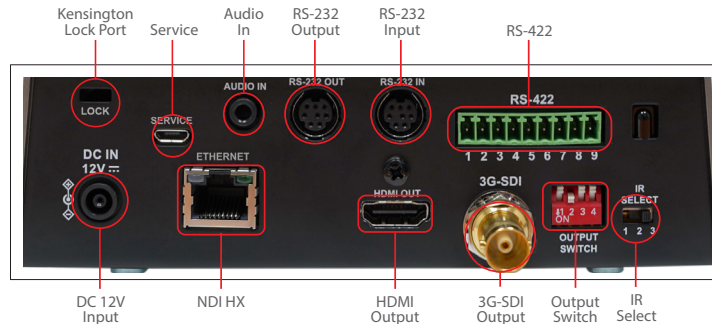
Livestream worship services online. An easy way to keep your congregation engaged.

# Product Specifications

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

Output	
<b>HDMI / 3G-SDI</b>	1080p60
<b>IP Stream</b>	(NDI HX Stream) 1080p 60fps, 640x360 30fps (IP Stream) H.264 1080p 60fps H.264 / MJPEG D1 30fps
<b>IP Compression</b>	H.264 / MJPEG
Network	
<b>IP Protocol</b>	NDI HX2 / RTSP / RTMP / RTMPS / MPEG-TS / SRT
<b>PoE</b>	PoE+ (IEEE802.3at)
Audio	
<b>Input</b>	Line In / MIC In
<b>Output</b>	Ethernet / SDI / HDMI
<b>Compression Format</b>	AAC / G.711
Camera Control	
<b>Interface</b>	RS-232 / RS-422 / Ethernet
<b>Protocol</b>	NDI / VISCA / VISCAIP / PELCO D / ONVIF
<b>IR Pass-through</b>	Yes
<b>IR Receiver</b>	Yes
<b>IR Remote Control</b>	Yes
General	
<b>DC In</b>	12V +/- 20%
<b>Power Consumption</b>	PoE: 18.5W DC In: 17W
<b>Weight</b>	4.4 lbs (2 kg)
<b>Dimensions (W x H x D)</b>	6.9" x 7.3" x 7.3" (174 x 186 x 187 mm)

# I/O Connections



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