

# Lumens®

## NDI HX2



# VC-A61PN

## 4K NDI HX PTZ Camera



VC-A61PN supports NDI®, the popular video networking format. Once connected to the local area network, it is available to the production desk as an NDI® video source, controlled by software or a dedicated hardware device. The bandwidth requirement for an NDI HX HD 60fps video stream with audio and control data is minimal, between 8 and 20 Mb/s. Using this highly efficient format, multiple cameras can be used to distribute high-quality, low latency video without overwhelming the IP network.

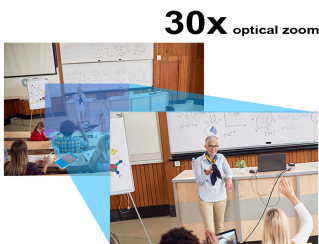
### Key Features

- Delivers UHD at 60fps and 1080P at 60fps
- Supports Newtek's NDI HX for video networking and low latency IP production
- Powerful 30x zoom lens, with 68 degrees horizontal field of view at its widest setting
- Easy installation: delivers video output via Ethernet, HDMI, and 3G-SDI simultaneously
- 5-year warranty as standard



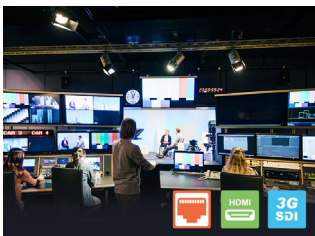
### Future-proofing

With a choice of 4K or 1080p output, the Lumens VC-A61PN is ideal for all your production and AV requirements. The CMOS sensor is partnered with a high brightness lens which enables the camera to excel in virtually every lighting condition. It makes the VC-A61PN a great PTZ, whether installed in a studio, theater, conference hall or sports center.



### Optical Performance

The 30x lens allows users to zoom in close from the back of a venue or shoot wide to capture a full conference panel thanks to its 68 degree horizontal viewing angle. For extreme close shots, a digital zoom can be deployed, while 3D noise reduction maintains clear pictures and excellent results.



### Video Workflow Flexibility

Featuring HDMI, 3G-SDI, and Ethernet outputs, the VC-A61PN can be integrated with almost any AV, broadcast, or IP workflow. While all models deliver simultaneous H.264 and HEVC streaming, the inclusion of NDI HX adds support for fast integration with NDI® infrastructures. Such a broad range of video outputs means that the camera is ready to fulfill a wide variety of roles – as a PTZ camera source for lecture capture, live event production, or video streaming direct to YouTube or Facebook.



### AV Integration and Control

Lumens VC-A61PN supports both PoE (Power over Ethernet) and a 12v DC input. It also features dedicated RS-232 in-out ports, RS-422 and Ethernet-based control protocol support (including Crestron, Extron, Visca, Pelco D, NDI and Onvif). This gives the camera an unparalleled level of flexibility: whatever the video workflow, whatever the AV integration, VC-A61PN is ready to take the complexity out of camera installation and management.

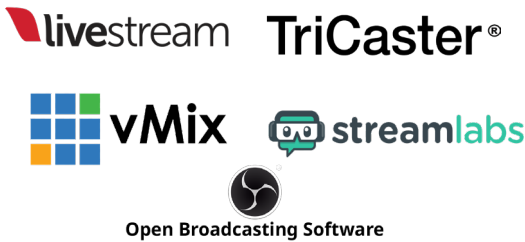


# Product Specifications

Camera	
Sensor	1/2.5" 8.57MP CMOS
Video Format	2160p: 59.94 / 50 / 29.97 / 25 1080p: 59.94 / 50 / 29.97 / 25 720p: 59.94 / 50 / 29.97 / 25 1080i: 59.94 / 50
Video Output (HD) Interface	3G-SDI, HDMI, Ethernet
Optical Zoom	30x
Digital Zoom	12x
Viewing Angle	68°(H) / 38.3°(V) / 78°(D)
Aperture	F1.6~F3.4
Focal Length	4.6mm~135mm
Shutter Speed	1/1 ~ 1/10,000 sec
Minimum Object Distance	1.5m (Wide/Tele)
Video s/n Ratio	>50dB
Minimum Illumination	0.1 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
AR/VR Systems	FreeD
NDI Genlock	Yes
Tally Light	Yes
Network	
IP Protocol	NDI HX2 / RTSP / RTMP / RTMPS / MPEG-TS / SRT
PoE	PoE+ (IEEE802.3at)

Output	
HDMI / 3G-SDI	HDMI Output: 2160p59.94 3G-SDI Output: 1080p59.94
IP Stream	NDI: HEVC(H.265) 4K59.94fps H.264 640x360 29.97fps or RTSP: HEVC(H.265) 4K 59.94fps H.264 1080p 59.94fps H.264 640x360 29.97fps
IP Compression	H.264/ HEVC(H.265)
Pan & Tilt	
Panning Angle	+170° ~ -170°
Panning Speed	300°/ sec
Tilting Angle	+90° ~ -30°
Tilting Speed	300°/ sec
Preset Positions	256
Audio	
Audio Input	Line In/ Mic In
Audio Output	Ethernet / SDI/ HDMI
Audio Compression Format	AAC / G.711
Camera Control	
Interface	RS-232 / RS-422 / Ethernet / Remote
Protocol	VISCA / VISCAIP / PELCO D / NDI / ONVIF
General	
DC In	12V +/- 20%
Power Consumption	PoE: 18W DC In: 16W
Weight	2 kg (4.4 lbs)
Dimensions	174 x 190 x 187 mm

## Compatible Software



## I/O Connections



# Lumens®

Lumens Integration, Inc.  
4116 Clipper Court  
Fremont, CA, 94538  
Phone: +1-866-600-0988  
Fax: +1-510-252-1389

Lumens Europe  
De Nayerstraat 17 9470  
Denderleeuw Belgium  
Phone: +32-473-58-38-95  
Fax: +32-2-452-76-00



www.MyLumens.com