

# Lumens®

**NDI HIGH BANDWIDTH**

**NDI HX3**  
CERTIFIED



## VC-A71P-HN

### 4K NDI PTZ Camera

with NDI High Bandwidth and NDI HX3



\*NDI® is a registered trademark of Vizrt Group.

Lumens® VC-A71P-HN is a 4K 60fps PTZ camera with 12G-SDI, NDI High Bandwidth and NDI HX3 outputs. Its support for Rec.709 and BT.2020 color spaces make the camera suitable for HD and UHD TV workflows. Featuring genlock and the FreeD protocol, VC-A71P-HN can be used in demanding multi-camera productions including broadcast studios, remote locations, concert halls, sports arenas and virtual sets.

### Key Features

- 4K 60 fps, 30x Optical Zoom, 1/1.8" Sensor
- HDMI / 3G-SDI / 12G-SDI / IP / USB
- Genlock Support
- Rec.709 / BT.2020 Support
- NDI High Bandwidth / NDI HX3 / RTSP / RTMP / RTMPS / MPEG- TS / SRT Support
- FreeD Protocol for Live VR/AR Production
- 802.1x Support



### NDI High Bandwidth

Featuring NDI High Bandwidth, VC-A71P-HN delivers high-quality video over IP networks with ultra-low latency. Visually lossless, the I-Frame NDI codec is suitable for use in high-end video and TV production, live events and studios.



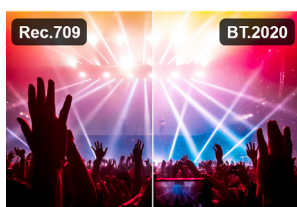
### NDI HX3 Technology

VC-A71P-HN supports the latest version of the NDI protocol, NDI HX3. It delivers high-quality video with very low latency and connects directly to NDI networks. VC-A71P-HN outputs NDI HX3 and NDI High Bandwidth output simultaneously.



### Broadcast Connections

VC-A71P-HN is equipped with dual SDI ports (12G and 3G) and a genlock connector to synchronize broadcast equipment. The camera can be powered over the Ethernet (PoE++); the network port can also be used for SRT and MPEG- TS output, as well as standard webstreaming protocols.



### BT.2020/Rec.709

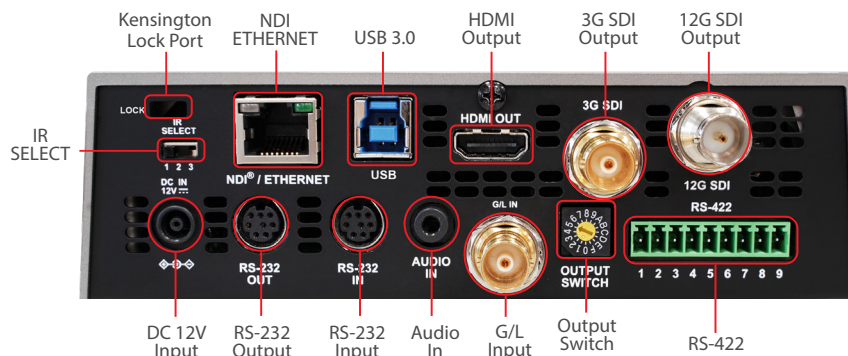
Lumens VC-A71P-HN supports the BT.2020 color gamut for wide and precise color reproduction. With BT.2020, VC-A71P-HN can be matched with other cameras and deliver video output optimized for new generation UltraHD monitors.



# Product Specifications

Camera		Output	
<b>Sensor</b>	1/1.8" 9.17 MP CMOS	<b>HDMI / 12G-SDI</b>	2160p 59.94fps
<b>Video Format</b>	2160p: 59.94 / 50 / 29.97 / 25 1080p: 59.94 / 50 / 29.97 / 25 1080i: 59.94 / 50 720p: 59.94 / 50	<b>IP Stream</b>	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
<b>Video Output Interface</b>	HDMI / Ethernet / 12G-SDI / 3G-SDI / USB 3.0	<b>IP Compression</b>	H.264 / HEVC(H.265)
<b>Genlock</b>	Yes	<b>USB Output</b>	H.264 4K30fps MJPEG 1080p 30fps
<b>Optical Zoom</b>	30x	<b>USB Compression</b>	H.264 / MJPEG
<b>Digital Zoom</b>	12x	<b>Network</b>	
<b>Horizontal Viewing Angle</b>	63° (Wide) to 3.7° (Tele)	<b>IP Protocol</b>	NDI High Bandwidth / NDI HX3 / NDI HX2 / RTSP / RTMP / RTMPS / MPEG-TS / SRT
<b>Vertical Viewing Angle</b>	35.4° (Wide) to 2.1° (Tele)	<b>PoE</b>	PoE++ (IEEE802.3bt)
<b>Diagonal Viewing Angle</b>	72.3° (Wide) to 4.2° (Tele)	<b>Audio</b>	
<b>Aperture</b>	F1.6 ~ F4.8	<b>Input</b>	Line In/MIC In , Phone Jack 3.5mm x1
<b>Focal Length</b>	6.5mm ~ 202mm	<b>Output</b>	Ethernet / 12G-SDI / 3G-SDI / HDMI2.0 / USB 3.0
<b>Shutter Speed</b>	1/1 ~ 1/10,000 sec	<b>Compression Format</b>	AAC / G.711 / PCM
<b>Minimum Object Distance</b>	1.5m (Wide / Tele)	<b>Camera Control</b>	
<b>Video S/N Ratio</b>	> 50dB	<b>Interface</b>	RS-232 / RS-422 / Ethernet / USB 3.0 / Remote
<b>Minimum Illumination</b>	0.05 lux (F1.6, 50IRE, 30fps)	<b>Protocol</b>	VISCA / VISCAIP / ONVIF / PELCO D / NDI / UVC / UAC
<b>Focus System</b>	Auto / Manual / Smart AF	<b>General</b>	
<b>Gain Control</b>	Auto / Manual	<b>DC In</b>	12V +/- 20%
<b>White Balance</b>	Auto / Manual	<b>Power Consumption</b>	PoE : 40W DC In : 40W
<b>Exposure Control</b>	Auto / Manual / Smart AE	<b>Weight</b>	6.6 lbs (3 kg)
<b>IQ Sync</b>	Yes	<b>Dimensions</b>	9.1" x 7.4" x 7.4" (232 x 188 x 189mm)
<b>WDR</b>	Yes		
<b>3D NR</b>	Yes		
<b>Image Flip</b>	Yes		
<b>Color Space</b>	Standard / BT.2020 / REC.709		
<b>AR/VR Systems</b>	FreeD		
<b>NDI Genlock</b>	Yes		
<b>Tally Light</b>	Yes		
<b>Pan &amp; Tilt</b>			
<b>Panning Angle</b>	+170° ~ -170°		
<b>Panning Speed</b>	0.01 ~ 300°/sec		
<b>Tilting Angle</b>	+90° ~ -30°		
<b>Tilting Speed</b>	0.01 ~ 300°/sec		
<b>Preset Positions</b>	256		

## I/O Connections



**Lumens**<sup>®</sup>

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