

Lumens®

NDI HIGH BANDWIDTH | NDI HX3



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.



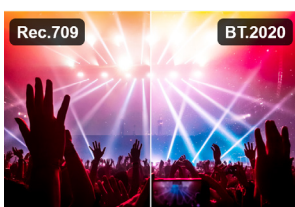
NDI HX3 Technology

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.

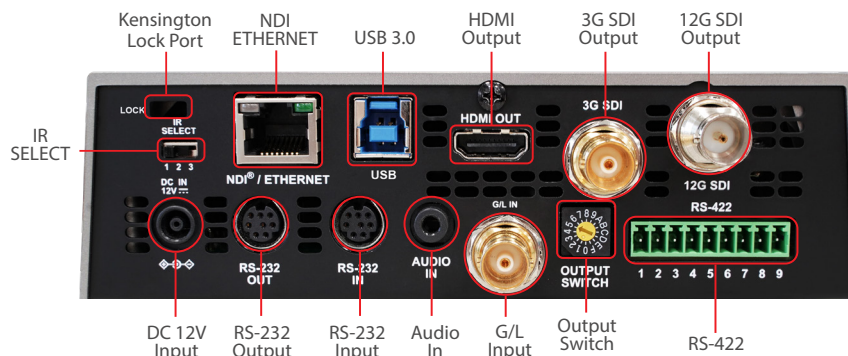


Product Specifications

Camera	
Sensor	1/1.8" 9.17 MP CMOS
Video Format	2160p: 59.94 / 50 / 29.97 / 25 1080p: 59.94 / 50 / 29.97 / 25 1080i: 59.94 / 50 720p: 59.94 / 50
Video Output Interface	HDMI / Ethernet / 12G-SDI / 3G-SDI / USB 3.0
Genlock	Yes
Optical Zoom	30x
Digital Zoom	12x
Horizontal Viewing Angle	63° (Wide) to 3.7° (Tele)
Vertical Viewing Angle	35.4° (Wide) to 2.1° (Tele)
Diagonal Viewing Angle	72.3° (Wide) to 4.2° (Tele)
Aperture	F1.6 ~ F4.8
Focal Length	6.5mm ~ 202mm
Shutter Speed	1/1 ~ 1/10,000 sec
Minimum Object Distance	1.5m (Wide / Tele)
Video S/N Ratio	> 50dB
Minimum Illumination	0.05 lux (F1.6, 50IRE, 30fps)
Focus System	Auto / Manual / Smart AF
Gain Control	Auto / Manual
White Balance	Auto / Manual
Exposure Control	Auto / Manual / Smart AE
IQ Sync	Yes
WDR	Yes
3D NR	Yes
Image Flip	Yes
Color Space	Standard / BT.2020 / REC.709
AR/VR Systems	FreeD
NDI Genlock	Yes
Tally Light	Yes
Pan & Tilt	
Panning Angle	+170° ~ -170°
Panning Speed	0.01 ~ 300°/sec
Tilting Angle	+90° ~ -30°
Tilting Speed	0.01 ~ 300°/sec
Preset Positions	256

Output	
HDMI / 12G-SDI	2160p 59.94fps
IP Stream	NDI : HEVC 4K59.94fps H.264 640x360 29.97fps or RTSP : HEVC 4K 59.94fps H.264 1080p 59.94fps H.264 640x360 29.97fps
IP Compression	HEVC / H.264
USB Output	H.264 4K30fps MJPEG 1080p 30fps
USB Compression	H.264 / MJPEG
Network	
IP Protocol	NDI High Bandwidth / NDI HX3 / NDI HX2 / RTSP / RTMP / RTMPS / MPEG-TS / SRT
PoE	PoE++ (IEEE802.3bt)
Audio	
Input	Line In/MIC In , Phone Jack 3.5mm x1
Output	Ethernet / 12G-SDI / 3G-SDI / HDMI2.0 / USB 3.0
Compression Format	IP : G.711 USB : PCM
Camera Control	
Interface	RS-232 / RS-422 / Ethernet / USB 3.0 / Remote
Protocol	VISCA / VISCAIP / ONVIF / PELCO D / NDI / UVC / UAC
General	
DC In	12V +/- 20%
Power Consumption	PoE : 40W DC In : 40W
Weight	6.6 lbs (3 kg)
Dimensions	9.1" x 7.4" x 7.4" (232 x 188 x 189mm)

I/O Connections



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