



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

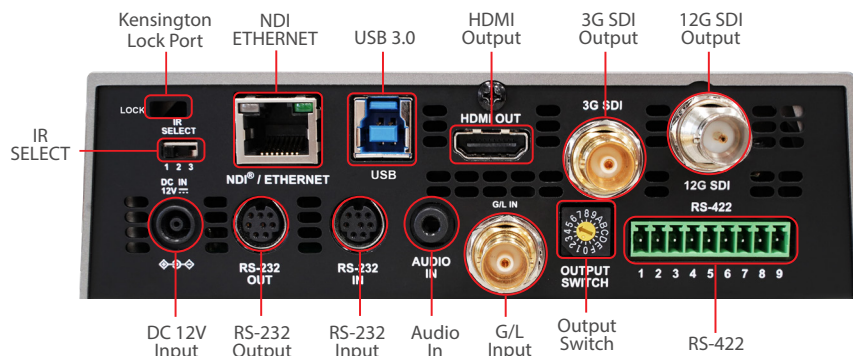
Lumens VC-A71P-HN supports the BT.2020 color gamut for wide and precise color reproduction. With BT.2020, VC-A71P-HN can be matched with other cameras and deliver video output optimized for new generation UltraHD monitors.



Product Specifications

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

I/O Connections



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