



VC-A71P-HN

4K NDI® PTZ Camera with Full NDI and NDI® |HX3



*NDI® is a registered trademark of Vizrt Group.

Lumens® VC-A71P-HN is a 4K 60fps PTZ camera with 12G-SDI, high bandwidth NDI 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
- Full NDI / NDI|HX3 / RTSP / RTMP / RTMPS / MPEG- TS / SRT Support
- FreeD Protocol for Live VR/AR Production
- 802.1x Support



NDI® High Bandwidth

Featuring full NDI, 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 full NDI 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

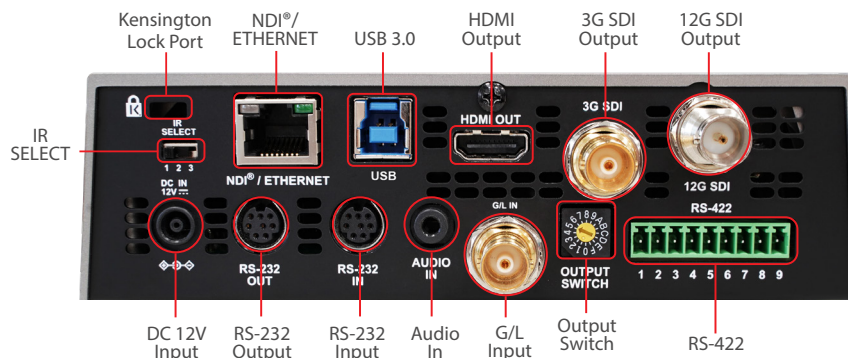
Lumens VC-A71P-HN supports the BT.2020 color gamut for wide and precise color reproduction. With BT.2020, VC-A71P-HN can be matched with other cameras and deliver video output optimized for new generation UltraHD monitors.



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 4K59.94fps H.264 640x360 29.97fps or RTSP : HEVC 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	HEVC / H.264
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	IP : G.711 USB : 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	Weight	6.6 lbs (3 kg)
WDR	Yes	Dimensions	9.1" x 7.4" x 7.4" (232 x 188 x 189mm)
3D NR	Yes		
Image Flip	Yes		
Color Space	Standard / BT.2020 / REC.709		
AR/VR Systems	FreeD		
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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