



NDI®HX3 Auto Tracking Live Streaming PTZ Camera UHV-20X-A

NDI®HX3 | 20X | 1080P60 AUTO-TRACKING



Lower Latency, Better Image

The camera featuring the latest NDI® SDK for IP connectivity and the most advanced American image processing solution to deliver crystal clear high definition images.

Its advanced PTZ mechanical design enables smooth and accurate pan, tilt, and zoom movements. Its versatile NDI®HX3, HDMI, SDI, and USB2.0 connectivity output 1080p60 Full HD resolution, ideal for professional live streaming applications. Line in audio input can be combined and output simultaneously with video over NDI®HX3, HDMI2.0 and 3G-SDI. With 20X optical zoom available, the Vision+ N3 can fit seamlessly into any production scenario.

Feature & Benefits



1080P60 FHD Resolution

Equipped with premium image processing solution and Sony HD CMOS sensor, FHD and crystal-clear images even in low-light working environments.



Built-in Auto Tracking function

With built-in auto-tracking function, users can track targets, switch targets and set target areas, or adjust target size effortlessly without any third party software device.



FreeD

With FreeD technology for versatile shooting angles, ideal for both real-world and virtual applications.



20X Optical Zoom

It features a 20x optical zoom lens with 60 degree FOV and proprietary focusing algorithm for precise focus even during zoom or movement, capturing every detail.



NDI@HX3/3G-SDI/HDMI/USB 2.0 Available

In addition to NDI@HX3, it simultaneously outputs images via 3G-SDI, HDMI and USB2.0, 3G-SDI and HDMI are for transtional video production, while the USB output can function as a high-end webcam.

Technical Specification

Model No.	UHV-20X-A(NDI)
Camera	
Sensor	1/2.8"inch, 2.4MP UHD CMOS sensor
Zoom	20x optical zoom
Lens	f = 4.9mm - 98mm, F1.5 - F3
Horizontal View Angle	61°(Wide) - 3.5°(Tele)
Vertical viewing angle	32.2° - 1.8
Diagonal viewing angle	60° - 3.64°
Minimum Working Distance	1.0m
S/N Ratio	≥50dB
Video Format	HDMI: 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080i60/50/59.94; 1280*720P60/50/30/25/59.94/29.97
	NDI@HX3: Main Stream: 1920*1080@15-60; 1280*720@15-60; 1024*576@15-60; Sub Stream: 640*360@15-30
	3G-SDI: 1920*1080P60/50/30/25/59.94/29.97/24/23.98; 1920*1080i60/50/59.94; 1280*720P60/50/30/25/59.94/29.97
Image Parameters	USB Type-C: NV12: 1920*1080p5; 1280*720p15; 1024*576P25; 800*448P30; YUYV: 1920*1080p5; 1280*720p10; 1024*576P15; 800*448P30; MJPG: 1920*1080P30; 1280*720P30; 1024*576P30; 800*448P30; H264/HEVC: 1920*1080P30; 1280*720P30; 1024*576P30; 800*448P30
Noise Reduction	2D & 3D
Minimum Lux	20x:0.5Lux(50 ire max agc,1/30,f1.8)
White Balance	Auto/Manual/ATW/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Supported
Mirroring	Supported
Focus	Auto/Manul
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Supported
Backlight Compensation	Supported
IP Steaming	
Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps - 122800Kbps
Network Port Speed	1000M
Protocol	NDI@HX3, SRT, HTTP, HTTPS, RTSP, RTMP, RTMPS, ONVIF, VISCA over IP(TCP&UDP), VISCA, PELCO P/D, SSDP, FreeD, NTP, RTP Multicast, WebRTC, MPEG-TS
Pan/Tile Movement	
Preset	Remote controller:10; Serial port: 256, Accuracy:0.1°

Pan Rotation Angle	-170°~+170°
Tilt Rotation Angle	-30°~+90°
Pan Rotation Speed	20x :0.1° - 120°/s
Tilt Rotation Speed	20x :0.1° - 80°/s
I/O Interface	
Control Port	RS232(RS485), NDI@HX3
Video Port	NDI @ HX3, HDMI, 3G-SDI, USB Type-C
Audio Port	stereo 3.5mm linear inputs
Tally	Supported
POE+	Supported
Daisy Chain	Supported
General	
Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10℃~50℃
Operating Humidity	≤80%
Color	Black/White
Dimension (L×W×H)	20x: 220mm×190mm×173mm
Net Weight	20x: 1.7kg(3.8LBS)

Video Output

USB Type-C, HDMI, 3G-SDI, NDI@HX3

Audio Input

3.5mm stereo line in

Remote control port

RS232, RS485

Power Supply

POE+, DC12V



Product specification are subject to change without notice