



VISION+ N3

NDI® |HX3 Auto Tracking Live Streaming PTZ Camera



NDI® |HX3 | 20x/30x | 1080p60 | Auto-tracking

Lower Latency, Better Image

Vision+ N3 is the premium NDI® |HX3 1080p60 PTZ camera series from Telycam, built-in with the latest NDI®SDK, and equipped with American most advanced image processing solution to deliver high definition and crystal clear image.

It has smooth PTZ mechanical design, to make accurate and stable pan, tilt, and zoom movement. NDI® |HX3, HDMI, SDI, and USB2.0 output Full HD resolution, ideal for professional live streaming applications.

With 20x and 30x optical zoom available, the Vision+ N3 can fit seamlessly into any production scenario.

Line in audio input, the audio can output with video simultaneously from NDI® |HX, HDMI2.0, SDI.

Application



Key features

◆ 1080p60 FHD Resolution

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

◆ Built-in auto-tracking function

With built-in auto-tracking function, you don't need any third-party software or device, just turn on with one click on the WebUI, matching remote control or Telycam's control keyboard, and you can track the target accurately and smoothly without any outside interference. You can also switch the target talent, or set the target area, or change the target size.

◆ FREE D

Build-in FreeD protocol to exchange Telycam PTZ cameras' PTZF data with your VR/AR systems.

◆ 20x/30x optical zoom

It shoots with a 20x/30x optical zoom lens with a 60 degree FOV, and a proprietary focusing algorithm enable fast and precise focus performance when zooming or moving, to capture every detail of the scene.

◆ NDI® | HX3 3G-SDI/HDMI/USB2.0 Available

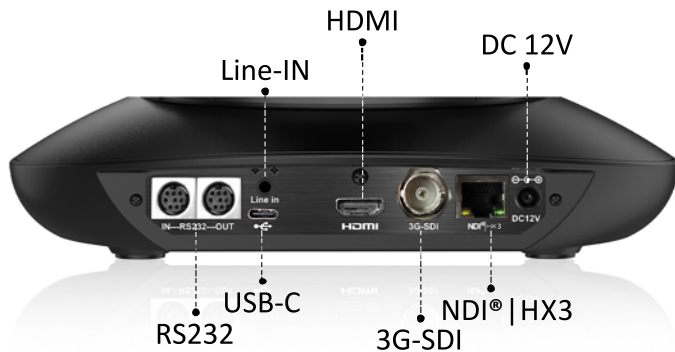
In addition to NDI®|HX3, 3G-SDI, HDMI and USB2.0 output image simultaneously as well.

3G-SDI and HDMI are for conventional video production workflow, and USB output can be used as a high-end webcam.

Specification

Camera	Vision+ N3 20x	Vision+ N3 30x
Part Number	TLC-300-IP-20-4K(NDI)-AB	TLC-700-1P-30-4K(NDI)-AB
Sensor	1/2.8 inch, 2.4MP UHD CMOS Sensor	1/1.8 inch, 12MP UHD CMOS Sensor
Zoom	20X optical zoom	30X optical zoom
Lens	f= 4.9~98mm,F1.5~ F3	f= 6.91~214.64mm,F1.35 ~ F4.6
Horizontal View Angle	60°(Wide)~ 3.0°(Tele)	63°(Wide) ~ 2.1°(Tele)
Vertical Viewing Angle	32.2°~ 1.8°	34.14°~ 1.12°
Diagonal Viewing Angle	60°~3.64°	67.08°~ 2.27°
Minimum Working Distance	1.0m	1.5m
S/N Ratio	≥50dB	
Video Format	HDMI2.0: 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	
	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	
Image Parameters		
Noise Reduction	2D&3D	
Minimum lux	12x:0.5Lux(50IRE Max AGC1/30,F1.8)	30x:0.5Lux(50IRE Max AGC1/30,F1.8)
White Balance	Auto/Manual/Auto tracking/Push/Indoor/Outdoor/Color Temperature	
Exposure	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority	
Anti-Flicker	OFF, 50Hz, 60Hz	
Image Flip	Support	
Mirroring	Support	
Focus	Auto/Manual	
Iris	Auto/Manual	
Electronic shutter	Auto/Manual	
Gamma	Support	
Backlight Compensation	Support	

IP Streaming		
Video Encoding	H.264/H.265	
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)	
Bitrate Range	1024Kbps~ 61440Kbps	
Network Port Speed	1000M	
Protocol	NDI® HX3, SRT, HTTP, RTSP, RTMP, ONVIF, VISCA over IP, TCP, UDP, VISCA, PELCO P/D, HTML5, Webrtc, RTP Multicast	
Pan/Tilt Movement		
Preset	Remote controller: 10; Serial port: 128; Accuracy: 0.1°	
Pan Rotation Angle	-170°~+170°	
Tilt Rotation Angle	-30°~+90°	
Pan Rotation Speed	20x: 0.1°~120°/s	30x: 0.1~80°/s
Tilt Rotation Speed	20x: 0.1°~80°/s	30x: 0.1~60°/s
I/O Interface		
Control Port	RS232(RS485), NDI® HX3	
Video Port	NDI® HX3, HDMI, 3G-SDI, USB Type-C	
Audio Port	Dual 3.5mm linear inputs	
Tally	Support	
POE+	Support	
Daisy Chain	Support	
General		
Input Voltage	DC12V , POE+(IEEE802.3at)	
Operating Temperature	-10℃~50℃	
Operating Humidity	≤80%	
Color	Black/White	
Dimension (LxWxH)	20x: 220mmx190mmx173mm	30x: 220mmx190mmx193.5mm
Net Weight	20x: 1.5kg(3.3LBS)	30x: 1.9kg(4.2LBS)



Telecam Technology Co.,Ltd

Phone number: +86 755 33275155 E-mail: sales@telycam.com

Add: 6 Floor, Building A, Shuanghuan Information Technology Industrial Park, No.8, Baoqing Rd, Longgang District, Shenzhen, 518116, China

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