



# VISION+ GE

NDI® | HX3 Auto Tracking PTZ Camera



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

## Lower Latency, Better Image

Vision+ GE is a premium NDI®HX3 1080p60 30X PTZ camera from Telycam, built-in auto-tracking capabilities, integrated with latest NDI®SDK, equipped with American most advanced image processing solution, Sony 1/1.8-inch 12MP sensor, to deliver high definition and crystal clear image. With a remarkable 30x optical zoom, the Vision+ GE effortlessly adapts to any production setting, ensuring exceptional versatility.

Its array of outputs, including NDI®HX3, HDMI, SDI, and USB2.0, all capable of delivering Full HD resolution, make it the quintessential choice for professional live streaming applications. Its line-in audio input enables simultaneous audio and video output through NDI®HX, HDMI2.0, and SDI connections, enhancing versatility and usability.

## 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.

### ◆ 30x optical zoom

It shoots with a 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.

### ◆ Support NDI®HX3

Comply with NDI®HX3 certification, provide extremely low latency and visually lossless compressed image. Flexible support to both H.264 and H.265 compression.

### ◆ 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.

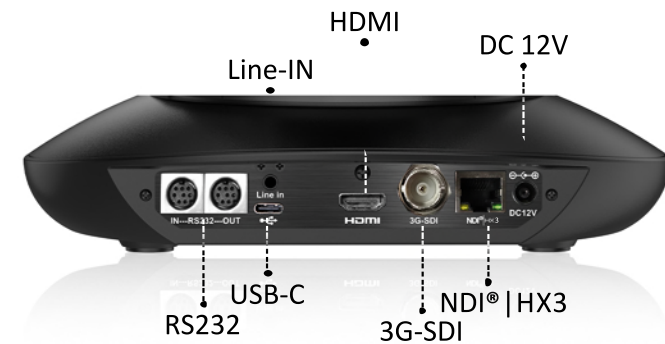
### ◆ Program and Preview Tally

The indicator light can work as Tally when receiving tally notification from the NDI® devices, to show the live is on or off.

# Specification

Camera	Vision+ GE
Part Number	TLC-700-IP-30-(NDI)-GE
Sensor	1/1.8 inch, 12MP UHD CMOS Sensor
Zoom	30X optical zoom
Lens	f= 6.91~214.64mm,F1.35 ~ F4.6
Horizontal View Angle	60°(Wide) ~ 2°(Tele)
Vertical Viewing Angle	34.14°~ 1.12°
Diagonal Viewing Angle	67.08°~ 2.27°
Minimum Working Distance	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; MJPEG: 1920*1080P30; 1280*720P30; 1024*576P30; 800*448P30; H264/HEVC; 1920*1080P30; 1280*720P30; 1024*576P30; 800*448P30
<b>Image Parameters</b>	
Noise Reduction	2D&3D
Minimum lux	30x:0.5Lux(50 IRE Max AGC,1/30,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	<b>30x:</b> 0.1~80°/s
Tilt Rotation Speed	<b>30x:</b> 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	stereo 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)	<b>30x:</b> 220mmx190mmx193.5mm
Net Weight	<b>30x:</b> 1.9kg(4.2LBS)



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