



VC-TR41N

AI-Powered NDI HX3 Auto-Tracking Camera

• INTRODUCTION

Lumens VC-TR41N is a dual-lens motion-tracking PTZ camera. Its AI technology makes it easy to identify and track a moving subject smoothly and reliably. VC-TR41N features a 20x optical zoom lens with auto framing technology that intelligently zooms to capture all guests in view.



NDI HX3



• KEY FEATURES

- AI-powered human detection with auto-framing and motion-tracking
- NDI HX3, RTSP, RTMP, SRT streaming support
- Simultaneous output via HDMI, 3G-SDI, USB, and IP
- 1080p 60fps video with 20x optical zoom
- Ultra-silent PTZ motors for smooth, accurate movement
- PoE for power, video, audio, and control over a single Ethernet cable
- Wide-angle lens for flexible framing in small to large rooms
- Preset position support for quick recall of camera viewpoints
- Remote configuration and firmware upgrade via web UI
- Mount upright or inverted with standard mounting accessories



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OUR MISSION

"Your Success, Our Focus"

Helping our customers grow and creating value for them is at the core of Lumens' philosophy – and that's why your success is always our focus.

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• SPECIFICATIONS

PTZ Camera	
Sensor	1/2.8" 2.16M
Video Format	1080p : 60 / 50 / 30 / 25 720p : 60 / 50
Video Output (HD) Interface	HDMI / Ethernet / 3G-SDI / USB 3.0
Optical Zoom	20x
Digital Zoom	12x
Horizontal Viewing Angle	58.7°
Vertical Viewing Angle	33°
Diagonal Viewing Angle	67.3°
Aperture	F1.6 ~ F2.8
Focal Length	4.9mm ~ 94mm
Shutter Speed	1/25 ~ 1/10,000 sec
Minimum Object Distance	500mm
Video S/N Ratio	> 50dB
Minimum Illumination	1 lux (F1.6, 50IRE, 30fps)
Focus System	Auto / Manual / Smart AF
Gain Control	Auto / Manual
White Balance	Auto / Manual
Exposure Control	Auto / Manual / Smart AE
WDR	Yes
3D NR	Yes
Image Flip	Yes
Auto Tracking	Everywhere / Stage / Partition
Auto Framing	Everywhere / Partition
Gesture Control	Yes
Panoramic camera	
Sensor	1/2.8" 2MP CMOS
Video Format	720p 30 / 25
Horizontal Viewing Angle	87°
Vertical Viewing Angle	49°

Pan & Tilt	
Panning Angle	+170° ~ -170°
Panning Speed	0.2° ~ 120°/sec
Tilting Angle	+90° ~ -30°
Tilting Speed	0.2° ~ 80°/sec
Preset Positions	256
Output	
HDMI / 3G-SDI	1080p 60
IP Stream	PTZ Camera Main: 1080p 60 / 50 Second: 720p 30 / 25 Panoramic Camera: 720p 30 / 25
IP Compression	H.264
USB Output	1080p 30 / 25
USB Compression	MJPEG
Network	
IP Protocol	NDI HX3 / NDI HX2 / HTTP / RTSP / RTMP / RTMPS / SRT
PoE	Yes (IEEE802.3af)
Audio	
Audio Input	Line In / MIC In
Audio Output	Ethernet / USB 3.0 / HDMI / SDI
Audio Compression Format	AAC / PCM
Camera Control	
Interface	RS-232 / 422 (RJ-45) / Ethernet / USB 3.0
Protocol	VISCA / ONVIF / NDI
UVC	1.1
UAC	Yes
General	
DC In	12V +/- 20%
Power consumption	PoE: 11W / DC In: 10W
Body Color	Black / White
Weight	3.3 lbs (1.5 kg)
Dimension	7.5" x 7.3" x 5.4" (190 × 185 × 138 mm)

• I/O CONNECTIONS

