



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



Download Datasheet

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 AF
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

