



VC-TR41

AI Auto-Tracking Camera

Lumens VC-TR41 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-TR41 features a 20x optical zoom lens with auto framing technology that intelligently zooms to capture all guests in view. VC-TR41 integrates with Lumens LC300 series CaptureVision system to automate video production and lecture capture, making it ideal for use in presentations and learning environments.

Key Features

- Multiple AI Tracking, Framing and Auto-Switching modes
- 1080P 60fps with 20x Optical Zoom
- HDMI, Ethernet, 3G-SDI and USB simultaneous output
- Zoom certified ProAV camera
- Supports RTSP / RTMP / RTMPS / SRT streaming



Everywhere Tracking Mode

The camera smoothly will follow wherever the presenter goes. You can simply change the tracked subject by clicking on the individual via the web interface.



Partition Tracking Mode

When the presenter moves inside a user-defined Partition Area, the camera switches to a preset angle and zoom. When outside a Partition Area, the camera autonomously follows the presenter.



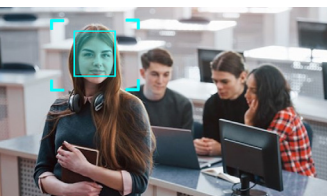
Stage Tracking Mode

When inside the Tracking Area, the camera follows the presenter with a panning (left-right) movement. When the presenter moves outside the Tracking Area, the camera stops tracking.



Auto-Framing Mode

With Auto-framing function, you can immediately detect the participants in a meeting. It dynamically adjusts its angle frame to include all delegates, re-framing the view if participants join or leave during the session.



Presenter and Audience Modes

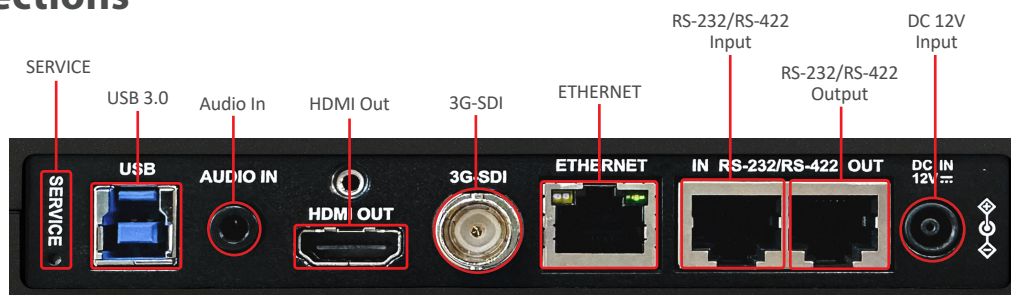
Paired with the CaptureVision LC300 series media processor, VC-TR41 units can be set in Presenter or Audience Mode. Cameras can be set to track speakers or allow contributions from audience members, with the processor automatically switching cameras to create a professional multi-angle production.



Product Specifications

PTZ Camera		Vertical Viewing Angle	49°
Sensor	1/2.8" 2.16M	Pan & Tilt	
Video Format	1080p : 60 / 50 / 30 / 25 720p : 60 / 50	Panning Angle	+170° ~ -170°
Video Output (HD) Interface	HDMI / Ethernet / 3G-SDI / USB 3.0	Panning Speed	0.2° ~ 120°/sec
Optical Zoom	20x	Tilting Angle	+90° ~ -30°
Digital Zoom	12x	Tilting Speed	0.2° ~ 80°/sec
Viewing Angle	58.7° (H) / 33° (V) / 67.3° (D)	Preset Positions	256
Aperture	F1.6 ~ F2.8	Output	
Focal Length	4.9mm ~ 94mm	HDMI / 3G-SDI	1080p60
Shutter Speed	1/25 ~ 1/10,000 sec	IP Stream	PTZ Camera Main : 1080p60 Second : 720p30 Panoramic Camera : 720p30
Minimum Object Distance	500mm	IP Compression	H.264
Video S/N Ratio	> 50dB	USB Output	1080p30
Minimum Illumination	1 lux (F1.6, 50IRE, 30fps)	USB Compression	MJPEG
Focus System	Auto / Manual	Network	
Gain Control	Auto / Manual	IP Protocol	HTTP / RTSP / RTMP / RTMPS / SRT
White Balance	Auto / Manual	PoE	Yes (IEEE802.3af)
Exposure Control	Auto / Manual	Audio	
Adaptive LED Mode	Yes	Audio Input	Line In / MIC In
WDR	Yes	Audio Output	Ethernet / USB 3.0 / HDMI / SDI
3D NR	Yes	Audio Compression Format	AAC / PCM
Image Flip	Yes	Camera Control	
AR/VR systems	FreeD	Interface	RS-232 / 422 (RJ-45) / Ethernet / USB 3.0
Auto Tracking	Everywhere / Stage / Partition / Audience Tracking	Protocol	VISCA / ONVIF
Auto Framing	Everywhere / Partition	UVC	1.1
Gesture Control	Yes	UAC	Yes
Panoramic camera		General	
Sensor	1/2.8" 2MP CMOS	DC In	12V +/- 20%
Video Format	720p30	Power consumption	PoE : 11W DC In : 10W
Horizontal Viewing Angle	87°	Body Color	Black / White
		Weight	3.3 lbs (1.5 kg)
		Dimension	7.5" x 7.3" x 5.4" (190 x 185 x 138 mm)

I/O Connections



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