



VC-TA50

AI Auto-Tracking PTZ Camera



HD PTZ Camera with Multiple Tracking Modes, 20x Zoom and PoE+

Lumens® VC-TA50 is a single lens auto-tracking camera. With its AI-powered tracking, the VC-TA50 can follow a subject smoothly and reliably, making it ideal for use in presentations, studios and classrooms. Programmable tracking modes give users the flexibility to allow the camera to track a subject automatically or only within specified zones. The camera also supports user-defined preset positions for instant switching between camera angles.

Key Features

- AI-Powered Human Detection
- Three Tracking modes with auto framing
- 1080P 60fps with 20x Optical Zoom
- HDMI, SDI, and Ethernet simultaneous output
- Supports RTSP / RTMP / RTMPS / SRT
- 5-year warranty*



Everywhere Tracking Mode

The camera 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.



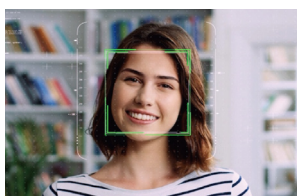
Stage Tracking Mode

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



Smooth Pan-Tilt-Zoom Movement

Whether in auto-tracking or manual mode, VC-TA50 offers smooth pan, tilt, and zoom movements. The speed of camera movement can be set to meet the needs of each production.



Smart AF

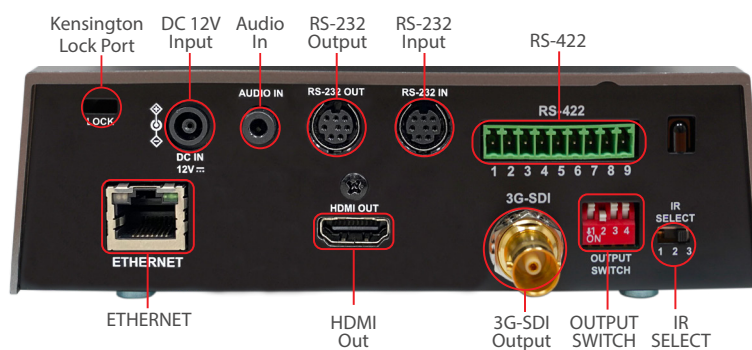
The Smart AF feature keeps the presenter's face in sharp focus even when they move across a stage. This advanced feature delivers fast, reliable and accurate focusing performance.



Product Specifications

Camera		Output	
Sensor	1/2.8" 2.16 MP CMOS	HDMI / 3G-SDI	1080p60
Video Format	1080p : 60 / 59.94 / 50 / 30 / 29.97 / 25 1080i : 60 / 59.94 / 50 720p : 60 / 59.94 / 50	IP Stream	First : H.264 1080p 60fps Second : H.264/MJPEG D1 30fps
Video Output (HD) Interface	3G-SDI / HDMI / Ethernet	IP Compression	H.264 / MJPEG
Optical Zoom	20x	Network	
Viewing Angle	57° (H) / 32.1° (V) / 65.4° (D)	IP Protocol	RTSP / RTMP / RTMPS / MPEG-TS / SRT
Aperture	F1.6~F3.8	PoE	PoE+ (IEEE802.3at)
Focal Length	5.33mm~110mm	Audio	
Shutter Speed	1/1 ~ 1/10,000 sec	Audio Input	Line In / MIC In
Minimum Object Distance	1.5m (Wide/Tele)	Audio Output	Ethernet / SDI / HDMI
Video S/N Ratio	> 50dB	Audio Compression Format	AAC / G.711
Minimum Illumination	1.0 lux (F1.6, 50IRE, 30fps)	Camera Control	
Focus System	Auto / Manual / Smart AF	Interface	RS-232 / RS-422 / Ethernet
Gain Control	Auto / Manual	Protocol	VISCA / VISCAIP / PELCO D / ONVIF
White Balance	Auto / Manual	IR Pass-Through	Yes
Exposure Control	Auto / Manual	IR Receiver	Yes
WDR	Yes	IR Remote Control	Yes
3D NR	Yes	General	
Image Flip	Yes	DC In	12V +/- 20%
AR/VR Systems	FreeD	Power Consumption	PoE : 18.5W DC In : 17W
Tally Light	Yes	Body Color	Black / White
Auto-Tracking	Everywhere / Stage / Partition	Weight	4.4 lbs (2 kg)
Auto Framing	Yes	Dimensions	6.9" x 7.3" x 7.3" (174 x 186 x 187mm)
Pan & Tilt			
Panning Angle	+170 ~ -170°		
Panning Speed	300°/sec		
Tilting Angle	+90 ~ -30°		
Tilting Speed	300°/sec		
Preset Positions	128		

I/O Connections



Lumens[®]

Lumens Integration, Inc.
4116 Clipper Court
Fremont, CA, 94538
Phone: +1-866-600-0988
Fax: +1-510-252-1389

Lumens Europe
De Nayerstraat 17 9470
Denderleeuw Belgium
Phone: +32-473-58-38-95
Fax: +32-2-452-76-00



www.MyLumens.com