VC-TA50

AI Auto-Tracking PTZ Camera

AI | **1080p** | **20x** | **PoE+**

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 Face Recognition
- 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.
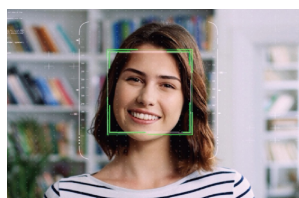

Stage Tracking Mode

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.

Applications

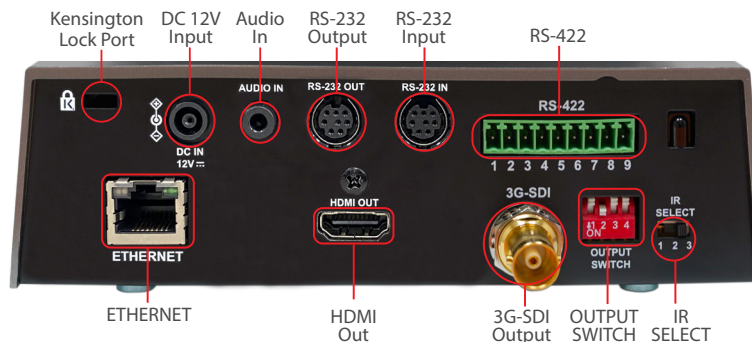**Lecture Capture**

Corporate Training

Houses of Worship

Product Specifications

Camera	
Sensor	1/2.8" 2.16 MP CMOS
Video Format	1080p : 60 / 59.94 / 50 / 30 / 29.97 / 25 1080i : 60 / 59.94 / 50 720p : 60 / 59.94 / 50
Video Output (HD) Interface	3G-SDI / HDMI / Ethernet
Optical Zoom	20x
Viewing Angle	57° (H) / 32.1° (V) / 65.4° (D)
Aperture	F1.6~F3.8
Focal Length	5.33mm~110mm
Shutter Speed	1/1 ~ 1/10,000 sec
Minimum Object Distance	1.5m (Wide/Tele)
Video S/N Ratio	> 50dB
Minimum Illumination	1.0 lux (F1.6, 50IRE, 30fps)
Focus System	Auto / Manual / Smart AF
Gain Control	Auto / Manual
White Balance	Auto / Manual
Exposure Control	Auto / Manual
WDR	Yes
3D NR	Yes
Image Flip	Yes
AR/VR Systems	FreeD
Tally Light	Yes
Auto-Tracking	Everywhere / Stage / Partition
Auto Framing	Yes
Pan & Tilt	
Panning Angle	+170 ~ -170°
Panning Speed	300°/sec
Tilting Angle	+90 ~ -30°
Tilting Speed	300°/sec
Preset Positions	128

Output	
HDMI / 3G-SDI	1080p60
IP Stream	First : H.264 1080p 60fps Second : H.264/MJPEG D1 30fps
IP Compression	H.264 / MJPEG
Network	
IP Protocol	RTSP / RTMP / RTMPS / MPEG-TS / SRT
PoE	PoE+ (IEEE802.3at)
Audio	
Audio Input	Line In / MIC In
Audio Output	Ethernet / SDI / HDMI
Audio Compression Format	G.711
Camera Control	
Interface	RS-232 / RS-422 / Ethernet
Protocol	VISCA / VISCAIP / PELCO D / ONVIF
IR Pass-Through	Yes
IR Receiver	Yes
IR Remote Control	Yes
General	
DC In	12V +/- 20%
Power Consumption	PoE : 18.5W DC In : 17W
Body Color	Black / White
Weight	4.4 lbs (2 kg)
Dimensions	6.9" x 7.3" x 7.3" (174 x 186 x 187mm)

I/O Connections

Kensington Lock Port · DC 12V Input · Audio In · RS-232 Output · RS-232 Input · RS-422 · ETHERNET · HDMI Out · 3G-SDI Output · OUTPUT SWITCH · IR SELECT