



# 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 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.



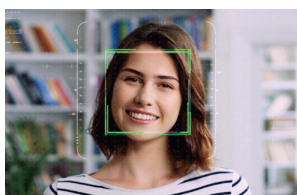
### Stage Tracking Mode

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



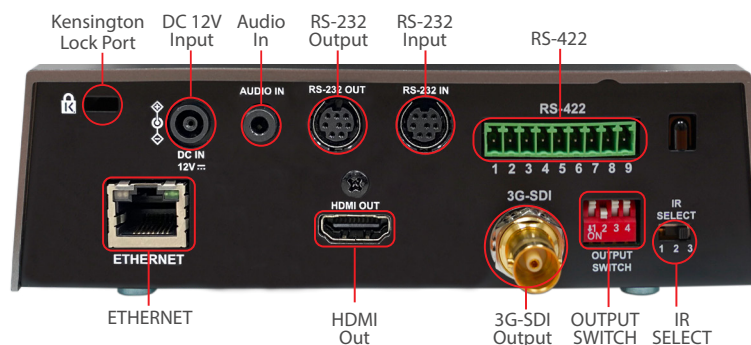
Houses of Worship

## Product Specifications

| Camera                      |                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------|
| Sensor                      | 1/2.8" 2.16 MP CMOS                                                                            |
| Video Format                | 1080p : 60 / 59.94 / 50 / 30 / 29.97 / 25<br>1080i : 60 / 59.94 / 50<br>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<br>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<br>DC In : 17W                                 |
| Body Color               | Black / White                                              |
| Weight                   | 4.4 lbs (2 kg)                                             |
| Dimensions               | 6.9" x 7.3" x 7.3"<br>(174 x 186 x 187mm )                 |

## 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