



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.



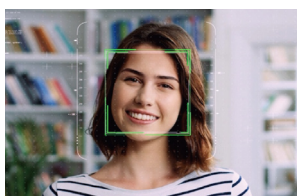
Stage Tracking Mode

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.

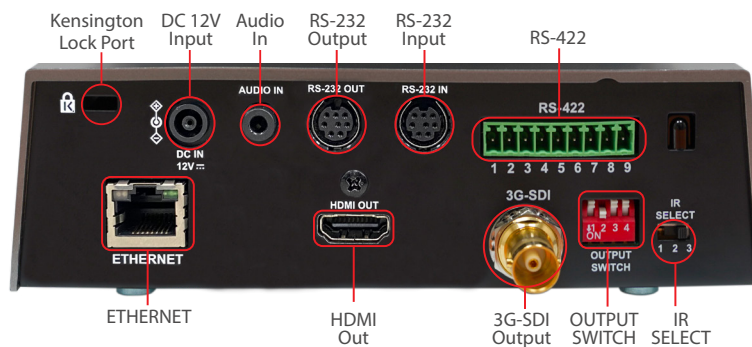


Product Specifications

| 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



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