



Dante Ready™



VC-TR61

4K AI Auto-Tracking 30x Zoom PTZ Camera

VC-TR61 is a multi-talented 4K PTZ camera with a massive 30x zoom. It features the Lumens award-winning tracking AI engine which allows the camera to operate autonomously, detecting and tracking a subject over distances up to 18m. The VC-TR61's powerful processor enables the camera to output video simultaneously via HDMI, Ethernet, 3G-SDI and USB, enabling it to work efficiently and flexibly in video, broadcast, streaming and conferencing environments.

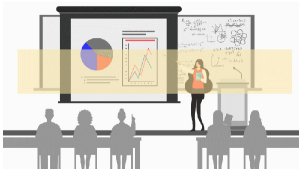
Key Features

- 4K 60 Dual output
- 30x Zoom
- AI-powered motion tracking
- HDMI, Ethernet, 3G-SDI, USB output



4K Dual Video Outputs

For accurate tracking, VC-TR61 features dual UltraHD cameras – a main robotic head with optical zoom and a panoramic camera with an ultra-wide viewing angle. Each camera generates an independent 4K IP output for live streaming, AV transmission or multi-channel video production.



Stage Tracking and Everywhere Tracking Modes

Lumens advanced tracking algorithms make the VC-TR61 suitable for use in presentations, conferences, houses of worship and education. Delivering reliable and smooth results, the camera includes mode selection to set tracking areas, exclusion zones and camera movement.



Partition Tracking Mode

In Partition Tracking Mode, the operator can program camera actions depending on the location of the subject within the tracking area. This can include triggering a particular zoom angle to focus the audience's attention on the presenter or a wider shot to frame both the speaker and a whiteboard.



Picture-in-Picture (PIP) Output

As a 2-camera unit, VC-TR61 outputs dual independent IP streams. A simple menu setting also enables it to create a composite picture-in-picture output (via HDMI and USB). The user can easily define the position and size of the inset picture via the web interface.



Excellent Quality Ultra HD Video

Paired with a low distortion professional zoom lens, the camera's large (1/1.8") CMOS sensor produces very high quality 4K and HD images. Pictures are detailed and color accurate, and the 60P native frame rate produces extremely natural looking video.



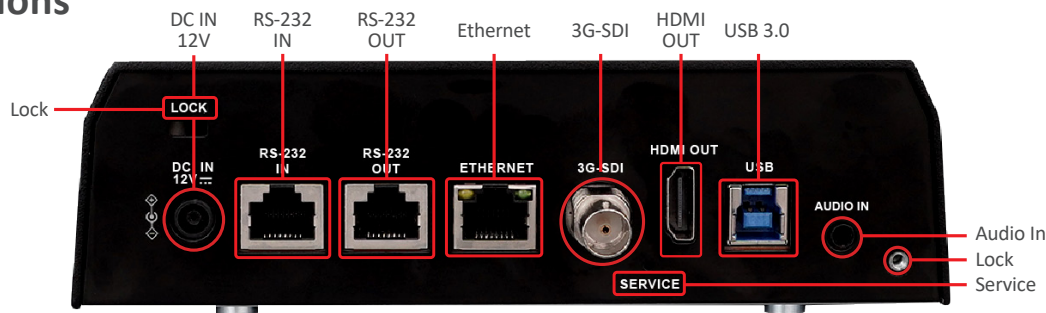
| PTZ Camera | |
|-----------------------------|--|
| Sensor | 1/1.8" 8.48M |
| Video Format | 2160p : 60 / 50 2160p : 30 / 25 1080p : 60 / 50 / 30 / 25 720p : 60 / 50 / 30 / 25 1080i : 60 / 50 [1] |
| Video Output (HD) Interface | HDMI / Ethernet / 3G-SDI / USB |
| Zoom | 30x |
| Digital Zoom | 8x [2] |
| Horizontal Viewing Angle | 59.2° |
| Vertical Viewing Angle | 33.3° |
| Diagonal Viewing Angle | 67.9° |
| Aperture | F1.6 ~ F5.4 |
| Focal Length | 7.1 ~ 213 mm |
| Shutter Speed | 1/25 ~ 1/10,000 sec |
| Minimum Object Distance | Tele:1.5m Wide:1m |
| Video S/N Ratio | > 50dB |
| Minimum Illumination | 0.5Lux (F1.6, AGC ON) |
| Focus System | Auto, manual |
| Gain Control | Auto, manual |
| White Balance | Auto, manual |
| Exposure Control | Auto, manual |
| WDR | Yes |
| 3D NR | Yes |
| Image Flip | Yes |
| PIP | Yes |
| Auto Tracking | Yes |
| Auto Framing | Yes |
| Panoramic camera | |
| Sensor | 1/2.8" 8.6M |
| Video Format | 2160p : 60 / 50 2160p : 30 / 25 1080p : 60 / 50 / 30 / 25 |
| Horizontal Viewing Angle | 85.1° |
| Aperture | F2.0 |
| Focal Length | 3mm |

[1] 1080i is only available on HDMI.

[2] Digital Zoom only works with HDMI/SDI at 1080p/720p resolution

| Pan & Tilt | |
|--------------------------|---|
| Panning Angle | +170 ~ -170° |
| Panning Speed | 0.1°~100°/sec |
| Tilting Angle | +90 ~ -30° |
| Tilting Speed | 0.1°~ 60°/sec |
| Preset Positions | 256 |
| Output | |
| HDMI / 3G-SDI | HDMI PTZ Camera : 2160p60 Panoramic : 2160p60 3G-SDI PTZ Camera : 1080p 60 |
| IP Stream | PTZ Camera Stream 1 : 2160p 60 fps Stream 2 : 720p 30 fps Panoramic Camera : 2160p 60fps |
| IP Compression | H.264 / HEVC(H.265) |
| USB Output | 2160p30 |
| USB Compression | H.265(HEVC) / H.264 / MJPEG / YUV2 / NV12 |
| Network | |
| IP Protocol | RTSP / RTMP / RTMPS / SRT / Dante Ready |
| PoE | PoE+ (IEEE802.3at) |
| Audio | |
| Audio Input | Line In |
| Audio Output | Ethernet / USB / HDMI / SDI / Dante Ready |
| Audio Compression Format | AAC / PCM |
| Camera Control | |
| Interface | RS-232 / Ethernet / USB / Remote |
| Protocol | VISCA / ONVIF |
| UVC | Yes |
| UAC | Yes |
| General | |
| DC In | 12V +/- 20% |
| Power consumption | PoE : 26W DC In : 25W |
| Body Color | Black / White |
| Weight | 4.4 lbs (2 kg) |
| Dimension | 6.9" x 7.8" x 7.3" (174 x 197 x 187 mm) |

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