i16V SIP Video Intercom

The i16V SIP Video Intercom is designed for outdoor scenes with high reliability, HD Audio/Video, and IP65/IK10 protection grade. It combines security, audio/video intercom and broadcasting functionalities and offer the best communication solution for users.

Model	Network	PoE	Camera
i16V	10/100Mbps	√	√

Highlights

- ☑ Built-in HD camera with infrared night vision, adopt H.264 codec
- ☑ HD voice speech quality with built-in 3W speaker and Acoustic Echo Canceller (AEC)
- ☑ IP65 waterproof and dustproof
- ☑ IK10 anti-collision with robust die-cast aluminum frame
- ☑ Anti-tamper- alarming as long as the cover is apart from the housing, and reporting to the control center at the same time
- ☑ -40°C to 70°C wide range temperature adaptability
- ☑ Built-in 2 short-in detect port and 2 short-out control port
- ☑ Support online management and upgrade
- ☑ Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.

Generic

- 2 SIP Lines
- Duplex hands-free(HF)
- Intelligent DSS Keys (Speed Dial/intercom etc)
- Auto answer
- Intercom function
- Industrial Standard Certifications: IP65&IK10, CE/FCC

Intercom Function

- Dynamic multicast function
- Support ONVIF
- Support customized DSS Keys
- Network Time Synchronization
- Action URL / Active URI

Audio

- Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729AB
- Wideband Codec: G.722
- Duplex intercom with Acoustic Echo Canceller (AEC) – Hands-free Mode, 96ms tail-length
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) /Background Noise Estimation (BNE)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive litter Buffer up to 300ms
- DTMF: In-band, Out of Band DTMF (RFC2833) / SIP INFO

Video

- Sensor: 1/2.7” color CMOS
- 2 Megapixels
- Video codec: H.264
- Resolution: main stream 1280×720@25fps
  Substream 704×576(D1)@25fps
- Viewing angle: 112° (H), 84° (V)
- Minimum illumination: 0.1Lux, support for infrared illumination

Networking

- 10/100Mbps
- IP Configuration: Static / DHCP / PPPoE
- Network access authority authentication: 802.1x
- VPN: L2TP / OpenVPN

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PnP/TR-069
- Web Management Portal
- Web-based Packet Dump
- Configuration Import and Export
- Firmware Upgrade
- Syslog

Physical Specifications

- 1 DSS button (speed dial button)
- 1 RJ45 port
- 1 audio output interface
- 1 recording output interface
- 2 short circuit input interface
- 2 relays: MAX DC30V/2A, AC125V/0.5A
- Active switching output: 12V/500mA DC(only 1 relay support)
- 2 indoor magnetic switch
- 1 tamper alarm switch
- Power: DC12V/1A or PoE
- Power Consumption (Adapter)：2.31~5.41W
- Power Consumption (PoE)：2.92~7.82W
- Housing material: aluminum alloy shell
- Protection level:IP65 and IK10
- Installation: Wall-mounting
- Working temperature: -40 ~ 70°C
- Storage temperature: -40 ~ 70°C
- Relative humidity: 10% - 90%
- Qty/CTN：10 PCS
- N.W/CTN:9.98kg
- G.W/CTN:10.57kg
- Equipment Dimension: 195x120x34mm
- Packing Dimension: 260x165x62mm
- Outer CTN Dimension: 348x328x280mm

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products.
For more information, please visit: www.fanvil.com

Compatibility List:

www.fanvil.com
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