SIP
Video Intercom

i16V

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.

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.

Specification

Generic

2 SIP Lines

Duplex hands-free

Intelligent DSS Keys Speed Dial/intercom etc)

Auto answer

Intercom function: Dynamic multicast function, support ONVIF, support customized DSS Keys, Network time synchronization, Action URL/Active URI

Industrial Standard Certifications: IP65&IK10, CE/FCC

Video & audio

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:0.1 Lux, support for infrared illumination

Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729AB

Wideband Codec:G.722

Duplex intercom with Acoustic Echo Canceller - 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

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 expotr

Firmware upgrade

Syslog

Physical Specifications

1 DSS 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

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%

Equipment Dimension: 195x120x34mm

Packing Dimension: 260x165x62mm

Outer CTN Dimension: 348x328x280mm(10 PCS)

Equipment weight: 1015g