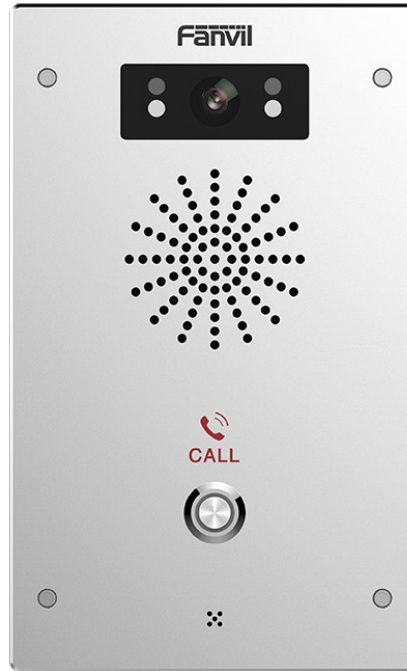


Fanvil i16V Video Doorphone

Data Sheet



The i16V is a SIP-enabled video door phone that offers HD audio and video communication. Designed for outdoor and industrial environments, it features a durable, waterproof, and vandal-resistant casing with wide-angle HD video and two-way communication. With seamless integration with ICONnect VP and other IP-based communication systems, the i16V is ideal for applications such as building entry, emergency communication, and public safety.

FEATURE HIGHLIGHTS

- Built-in High-definition camera with infrared night vision, using the H.264 codec (only for i16SV).
- IP65 waterproof and dustproof.
- IK10 anti-collision with a robust die-cast aluminum frame.
- Anti-tamper alarm triggers when the cover is removed from the housing, reporting to the control center in real-time.
- HD voice quality with a built-in 3W speaker and Acoustic Echo Canceller.
- Audio line-out port for expandable external active speakers.
- Built-in 2 short-in detection ports and 2 short-out control ports.



SET FEATURES

- 2 SIP lines
- Action URL / Active URI
- Anonymous call (Hide caller ID)
- Auto-answering
- Call out / answer / reject
- Call waiting
- Dynamic multicast function
- HTTP API
- Incoming call multicast
- Intercom, Multicast
- Linkage with IP camera to realize video intercom
- Mono active speaker
- MP3 broadcasting
- Network time synchronization
- Oral announcement of the IP address (in English)
- PoE enabled
- Programmable DSS key
- Speed dial
- Supports TF card for storage
- Switch signal input and output
- Talkback recording output
- Through button or web page volume adjustment
- Time Plan (task management)
- Uses voice synthesis to announce its IP address audibly in English.

AUDIO FEATURES

- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)
- Full-duplex hands-free speakerphone with AEC
- Narrowband codec: G.711A/U, G.729A/B, iLBC, G.723.1, G.726-32K
- Wideband codec: G.722, Opus

VIDEO FEATURES

- Minimum illumination: 0.1Lux, support for infrared illumination
- Pixels: 2 Mega
- Resolution: 720P/1080P
- Sensor: 1/2.8" color CMOS
- Supports video with FAN-X6U (V1) and FAN-X210
- Video coding: H.264
- Viewing angle:
 - Diagonal: 126°
 - Horizontal: 98°
 - Vertical: 65°

NETWORK

- IP configuration: Static IP / DHCP / PPPoE
- IP mode: IPv4/IPv6/IPv4&IPv6
- Physical: 10/100 Mbps Ethernet
- VLAN
- VPN: L2TP / OpenVPN

PROTOCOLS

- DHCP
- FTP/TFTP
- HTTP/HTTPS
- IPv6
- L2TP
- OpenVPN
- PPPoE
- RTP/RTCP/SRTP
- SIP v1 (RFC2543), v2 (RFC3261) over UDP/TCP/TLS
- SNTP
- STUN
- TR-069

MANAGEMENT

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Configuration export / import
- Firmware upgrade
- Syslog
- Web management portal
- Web-based packet dump

PHYSICAL SPECIFICATIONS

- 1 DSS key (with LED)
- Dimensions
 - Device: 195x120x40 mm
 - Box dimensions: 260x165x62 mm
 - Outer carton: 348x328x280 mm (10 PCS)
- port x1: DC power input
 - DC power input: DC12V~24V/1A
 - Port: 2 Pin terminal socket
- Housing material: aluminum alloy shell
- Installation: wall-mounted
- Line out port x1: connect the active speaker
 - Out: adjustable by volume, max up to 1.2Vpp.
 - Port: terminal socket
- PoE level: Class 3
- Protection level: IP65 and IK10



- Recording output port x1: connect to an audio device
 - Out: mixed output of local microphone voice and call voice recording
 - Impedance: 15 Ohm
 - Port: terminal socket
- RJ45 port x1 (PoE enabled)
- Short circuit input and output port x2 (built-in relay)
 - Relay: MAX DC30V / 2A, AC125V / 0.5A
 - Active switching output: 12V/500mA DC (only 1 relay support)
 - Port: terminal socket
- Storage temperature: - 40°~ 70°
- Tamper alarm switch x1
- TF card slot x1: connect TF card
- Weight
 - Net: 9.5kg
 - Gross: 10.05kg
- Working humidity: 10~95%
- Working temperature: -30° ~ 60°

About ICON Cloud Solutions

ICON specializes in cloud and customer-premises based voice, video, alert and unified communications platforms.

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