



Fanvil A12V Video Intercom

Fanvil A12V Video Intercom is a brand-new intercom featuring a 10W speaker and turbo sound chamber for powerful sound quality. With Fanvil's advanced dual-microphone noise reduction and voice enhancement technology, it captures clear audio even in challenging environments. Equipped with a 4MP starlight wide-angle camera with built-in infrared lighting and HDR technology, it ensures excellent imaging. Designed with a unique combination of a stainless-steel panel and integrated aluminum alloy structure, the A12V stands out with exceptional corrosion resistance and a high protection rating, making it highly durable and adaptable to diverse environments.

Highlights

- ✧ HD video: Built-in 4 Mega-pixel starlight HD camera and infrared light, enabling high-definition video calls.
- ✧ Excellent sound quality: With a unique turbine cavity design, bring extraordinary hearing enjoyment.
- ✧ Intelligent audio: Equipped with AEC, ANR, AGC, AVC speech algorithms to ensure clear communication in complex environments.
- ✧ Loud sound: 10W speaker, 90dB hands-free call and 100dB broadcast, producing thunderous and immersive sound.
- ✧ Remote pickup: Remote pickup can reach up to 5 meters and accurately captures every word.
- ✧ Self-check function: Voice loop self-check, simplify maintenance, reduce costs.
- ✧ Recording broadcast: Built-in SD card slot supports recording and preset broadcast, flexible and diverse.
- ✧ Beautiful and durable: Stainless steel panel with aluminum alloy structure, beautiful corrosion resistance, up to IK10 anti-riot standard.
- ✧ Protection grade: IP66 waterproof and dustproof grade, suitable for all kinds of harsh environment.
- ✧ Friendly interaction: 27mm backlit big button, dual status indicator (call, control), intuitive and friendly operation.
- ✧ High compatibility: Compatible with SIP-based mainstream IP PBX/ softswitch /IMS platforms, such as Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya, etc.
- ✧ Alarm light: Built-in 1 wet node output, can drive the external alarm light.
- ✧ Rich interfaces: Audio line output, short circuit input/output, Wiegand, USB, RS-485, to meet diverse needs



A12V



Generic

- 2 SIP lines
- Speed dial
- Video calling
- Infrared lighting
- Linkage with IP camera to realize video intercom
- Oral announcement of the IP address (in English)
- MP3 broadcasting
- Support programmable DSS key
- Line-out audio output interface
- Support USB port
- Support Wiegand port
- Support RS-485 port
- Switch signal input and output
- Support TF card
- Support DC 12V-24V/2A power supply and Power over Ethernet (PoE+)

Device Functions

- Auto-answering
- Programmable DSS keys
- Through button or web page volume adjustment
- Network time synchronization
- Time Plan (task management)
- SIP call forwarding to multicast
- Dynamic multicast function
- HTTP API
- Action URL / Active URI

Call Functions

- Call out / answer / reject
- Call waiting
- Intercom, multicast
- Speed dial
- Anonymous call (Hide caller ID)

Audio

- Narrowband codec: G.711a/u、G.729、iLbc、G.723、G.726
- Wideband codec: G.722, Opus
- Full-duplex hands-free speakerphone with AEC
- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)

Video

- Sensor: 1/2.9" color CMOS
- Pixels: 4 Mega
- Video coding: H.264
- Resolution: 720P/1080P
- Minimum illumination: 0.05Lux, support for infrared illumination
- Viewing angle:
 - Diagonal: 122°
 - Horizontal: 103°
 - Vertical: 54.8°

Network

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

Protocols

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

- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Management

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

Physical Specifications

- Support 1 DSS key
- 4 Mega-pixel starlight HD camera (Viewing from the front, the left side is an infrared light for supplementary lighting, while the right side is the camera.)
- RJ45 port×1: connect the Internet or LAN
 - PoE+ enabled (IEEE 802.3at, class 4)
- Line-out port×1: connect the active speaker or the amplifier
 - Out: the impedance value is 1000Ω
 - Port: 2 pin terminal socket
- Short circuit input port×2
- Short circuit output port ×2 (built-in relay)
 - Relay: MAX DC30V / 2A, AC125V / 0.5A
 - Active switching output: 12V/500mA DC (only 1 relay support)
 - Port: terminal socket
- Tamper alarm switch×1
- SD card slot×1: connect SD card
- USB port×1
- Wiegand port×1
- RS-485 port×1
- DC port×1: DC power input
 - DC power input: DC 12V~24V/2A
 - Port: 2 pin terminal socket
- Protection level: IP66 and IK10 (except lens)
- Appearance material: Stainless steel panel decoration, aluminum alloy shell
- Installation: wall-mounted & flush-mounted
- Working temperature: -40°C ~ 70°C
- Storage temperature: -40°C ~ 70°C
- Working humidity: 10~95%
- N.W/PCS: 1.72Kg
- N.W/CTN: 17.2Kg
- G.W/CTN: 17.98Kg
- Device dimensions: 205*120*54.5 mm (with on Wall-mounted bracket)
- Gift box dimensions: 286*168*80mm
- Outer CTN dimensions: 428*358*306mm (10 sets)

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

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