



A11V

Fanvil Video Intercom

Datasheet

Fanvil A11V is an outdoor video intercom specifically designed for harsh environments. It is equipped with a 4MP wide-angle camera, built-in IR light and HDR technology, delivering excellent day and night imaging. Featuring a 5W high-power speaker combined with a turbo sound chamber acoustic structure, and paired with advanced dual-microphone noise reduction algorithms, it ensures clear and powerful two-way voice communication even in noisy environments. The device adopts a stainless steel panel and an integrated aluminum alloy body, meeting IP66 dustproof and waterproof standards and IK10 vandalism resistance level. With outstanding corrosion and impact resistance, it provides stable and reliable protection for all-weather outdoor operation.

Highlights

- HD video: Built-in 4 Mega-pixel HD camera and infrared light, enabling high-definition video calls.
- Intelligent audio: Equipped with AEC, ANR, AGC, AVC speech algorithms to ensure clear communication in complex environments.
- Remote pickup: Remote pickup can reach up to 5 meters and accurately captures every word.
- Broadcast: Built-in SD card slot supports recording and preset broadcast, flexible and diverse.
- Protection grade: IP66 waterproof and dustproof grade, Stainless steel panel with aluminum alloy structure, beautiful corrosion resistance, up to IK10 anti-riot standard.
- High compatibility: Compatible with SIP-based mainstream IP PBX/ softswitch /IMS platforms, such as Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya, etc.
- Rich interfaces: Audio line output, short circuit input/output, to meet diverse needs



Specifications

A11V		
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
		Line-out audio output interface
		Switch signal input and output
		Support TF card
Device Functions		Support DC 12V-24/2A power supply and Power over Ethernet (PoE+)
		Auto-answering
		Programmable DSS keys
		Through 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	SPK	Frequency response:230Hz~15KHz
		Max SPL: 90dB (1m / 5W)
		Impedance:4Ω
		Rated power:5W
	MIC	Dual omnidirectional microphone
		Sensitivity:38±1dB,SNR:62dBA,AOP:127dBSPL,Operating Voltage:2V
	Narrowband codec	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-pixel HD camera
	Video coding	H.264
	Resolution	2K/1080P/4CIF/720P/VGA/QVGA/CIF
	Minimum illumination	0.05Lux, support for infrared illumination

	Viewing angle:	Diagonal: 131°
		Horizontal: 109°
		Vertical: 60°
Network	Physical	10/100 Mbps Ethernet
	IP mode	IPv4/IPv6/IPv4&IPv6
	IP configuration	Static IP / DHCP / PPPoE
	VPN	L2TP / OpenVPN
	VLAN	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 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
	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 1000 Ω
	Short circuit output port *1 (built-in relay)	Port: 2 pin terminal socket
		Relay: MAX DC30V / 2A, AC125V / 0.5A
		Active switching output: 12V/500mA DC (only 1 relay support)
		Port: terminal socket
		Tamper alarm switch *1
		Short circuit input *2
		Line-out interface *1
		SD card slot *1
	DC port×1: DC power input	connect Micro SD card
		DC power input: DC 12V~24V/2A
		Port: 2 pin terminal socket
		Protection level
	Appearance material	IP66 and IK10 (except lens)
		Stainless steel panel decoration, aluminum alloy shell
	Installation	wall-mounted(Standard) & flush-mounted(model : EX611, optional)
	Power Consumption (PoE+)	3.15~10.2W

	Power Consumption (12V/2A Adapter)	2.4~8.4W
	Working Temperature	-40℃ ~ 70℃
	Storage temperature	-40℃ ~ 80℃
	Working Humidity	10 ~ 95%
	Qty/CTN	16 PCS
	N.W/CTN	9.72kg
	G.W/CTN	10.23kg
	Device Dimensions	100.95*100*45mm (with on Wall-mounted bracket)
	Gift Box Dimensions	106*55*113mm
	Outer CTN Dimensions	245*232*246mm (16 Pcs)
	Package Contents	Video Intercom*1
		Quick Installation Guide*1
		Wall-mounted bracket(standard) *1
		Mounting Template *1
		package of screws *1
Compliance		CE FCC RoHS

About LINKVIL

As a sub-brand of Fanvil, LINKVIL focuses on the research and development of A&V-IoT wireless communication products. Based on Audio & Video -IoT, LINKVIL helps customers to achieve full connection of wireless communication systems and will build a wireless communication Eco-system for multi-scenarios to help different industries accelerate their digital transformation.

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More Information

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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