



# A11V

## Fanvil Video Intercom

# Datasheet

The Fanvil A11V is a next-generation outdoor video intercom, featuring a 4MP wide-angle camera with built-in IR lights and HDR for superior day and night imaging. It delivers powerful, clear audio through a 5W speaker and a Turbine speaker design, supported by advanced dual-microphone noise reduction. Built with a stainless-steel panel and integrated aluminum-alloy structure, it achieves an IP66 rating and IK10 vandal resistance, ensuring exceptional sturdiness and reliable durability in the demanding environments.



## Highlights

- HD video: Built-in 4 Mega-pixel HD camera 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.
- Recording 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		
<b>Generic</b>	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	
	Support DC 12V-24/2A power supply and Power over Ethernet (PoE+)	
<b>Device Functions</b>	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	
<b>Call Functions</b>	Action URL / Active URI	
	Call out / answer / reject	
	Call waiting	
	Intercom, multicast	
	Speed dial	
<b>Audio</b>	Anonymous call (Hide caller ID)	
	Narrowband codec	G.711a/u、G.729、iLbc、G.723、G.726
	Wideband codec	G.722, Opus
		Full-duplex hands-free speakerphone with AEC
<b>Video</b>	DTMF	In-band, Out-of-Band (RFC2833/ SIP INFO)
	Sensor	1/2.9" color CMOS
	Pixels	4 Mega-pixel HD camera
	Video coding	H.264
	Resolution	720P/1080P
	Minimum illumination	0.05Lux, support for infrared illumination
	Viewing angle:	Diagonal: 131°
		Horizontal: 109°
Vertical: 60°		
<b>Network</b>	Physical	10/100 Mbps Ethernet
	IP mode	IPv4/IPv6/IPv4&IPv6
	IP configuration	Static IP / DHCP / PPPoE
	VPN	L2TP / OpenVPN
		VLAN

<b>Protocols</b>	SIP v1 (RFC2543), v2 (RFC3261) over UDP/TCP/TLS	
	RTP/RTCP/SRTP	
	STUN	
	DHCP	
	IPv6	
	PPPoE	
	L2TP	
	OpenVPN	
	SNTP	
	FTP/TFTP	
	HTTP/HTTPS	
<b>Deployment &amp; Management</b>	TR-069	
	Auto-Provisioning via HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069	
	Web Management Portal	
	Web-based packet dump	
	Configuration export / import	
	Firmware upgrade	
<b>Physical Specifications</b>	Syslog	
	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 1000Ω
		Port: 2 pin terminal socket
	Short circuit output port *1 (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
		Short circuit input *2
		Line-out interface *1
	SD card slot *1	connect SD card
	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(Standard) & flush-mounted(model : EX611,option)	
Power Consumption (PoE+)	2.27~13.7W	
Power Consumption (12V/2A Adapter)	1.75~11.7W	
Working Temperature	-40°C ~ 70°C	
Storage temperature	-40°C ~ 80°C	
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
<b>Compliance</b>	<b>CE FC RoHS</b>

## 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](http://www.fanvil.com)



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