



A513W Fanvil Video speaker

Datasheet

Fanvil A513W is a video speaker designed for complex outdoor environments, integrating public address, surveillance, and intercom functions into a single, all-in-one smart solution. Equipped with a 4-megapixel wide-angle camera, built-in infrared and white LED illuminators, and HDR technology, it delivers outstanding imaging performance day and night. A513W features a 10W high-power speaker combined with a turbo speaker acoustic structure and advanced dual-microphone noise-cancellation algorithms, ensuring clear and powerful broadcasting and communication even in noisy environments. A513W supports Wi-Fi connectivity for flexible and convenient deployment. It also features Bluetooth 5.4 connectivity, allowing users to quickly trigger calls, broadcasts, and other operations via the BLE Bluetooth button for greater efficiency. A513W provides short-circuit input and output interfaces, allowing flexible connection to various peripheral devices (such as alarm buttons and door contacts) to enable a wide range of interlocking control functions. With an IP66 dust and water resistance rating, the unit remains stable and reliable even in harsh environments, offering outstanding durability.

Highlights

- **HD Video:** Built-in 4MP starlight camera with infrared and white light fill lights, supports HD video calls.
- **Powerful Sound:** The 10W speaker delivers a stunning and powerful broadcasting experience.
- **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 & Broadcasting:** Built-in SD card slot supports video recording storage and preset broadcasts, offering flexibility.
- **Wi-Fi 6:** Supports 2.4GHz & 5GHz Wi-Fi for easy installation and deployment.
- **Bluetooth 5.4:** Supports Bluetooth, works with BLE buttons for call and broadcast functions.
- **Protection Rating:** IP66 dust and water resistance standard.
- **Rich interfaces:** Short circuit input/output, to meet diverse needs.



Specifications

A513W		
Generic	2 SIP Lines	
	Video calling	
	Infrared fill light	
	White light fill light	
	Oral announcement of the IP address (in English)	
	MP3 broadcasting	
	Switch signal input and output	
	Support TF card	
	Support DC 12V-24/2A power supply and Power over Ethernet (PoE+)	
	Auto-answering	
Device Functions	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	
	Wi-Fi	2.4G/5G Wi-Fi6
	BT	Bluetooth 5.4
	Wide DynamicRange	105dB
Call Functions	Call out / answer / reject	
	Call waiting	
	Intercom, multicast	
	Anonymous call (Hide caller ID)	
Audio	Speaker	Frequency Response: 600–10 kHz Max SPL: 100 ± 5 dB (at F0 / 1.0 W/1.0 m, 2.45 V) Impedance: 6Ω Speaker Power: POE - AT: 8.5W POE - AF: 3.5W DC 24V/2A: 8.5W
	Microphone	Dual omnidirectional microphones Sensitivity: -38±3 dB, AOP: 124 dB, SNR: 65 dB
	Narrowband codec	G.711a/u, G.729, iLbc, G.723, G.726
	Wideband codec	G.722, Opus
	DTMF	Full-duplex hands-free speakerphone with AEC 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/2K	
Minimum illumination	0.05Lux, support for infrared illumination	

	Focal Length	3.6mm
	Viewing angle:	Diagonal: 106°
		Horizontal: 87°
		Vertical: 47°
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
		ONVIF
		STUN
		DHCP
		IPv6
		PPPoE
		L2TP
		OpenVPN
		SNTP
		FTP/TFTP
		HTTP/HTTPS
		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	
	Syslog	
Deployment & Management	RJ45 Port *1	connect the Internet or LAN PoE+ enabled (IEEE 802.3at, class 4)
	Short circuit output port *1 (built-in relay)	Relay:MAX DC30V / 2A, AC125V / 0.5A
		Port: terminal socket
		Short circuit input *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
	Appearance material	Housing: ABS
		Front panel: Aluminum alloy
	Installation	wall-mounted(WM101,option) &
		Ceiling installation(WM102, option)
	Power Consumption (PoE+)	3.54~20.8W
	Power Consumption (12V/2A Adapter)	2.8~17.8W
	Working Temperature	-40℃ ~ 70℃
Storage temperature	-40℃ ~ 80℃	
Working Humidity	10 ~ 95%	
Qty/CTN	8 Pcs	

N.W/CTN	8.83kg
G.W/CTN	9.3kg
Device Dimensions	176.04*100.02*130mm
Gift Box Dimensions	200*178*120mm
Outer CTN Dimensions	376*260*420mm (8Pcs)
Package Contents	Video speaker*1
	Quick Installation Guide*1
	connection terminal *1
	Waterproof kit *1
	screws *2
Compliance	CE FC 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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