



A513W

Fanvil Video speaker

Datasheet

Fanvil A513W is a video speaker designed for complex outdoor environments, integrating broadcast, monitoring, and intercom functions into a single, all-in-one smart solution. Equipped with a 4-megapixel camera, built-in infrared & white illumination and HDR technology, it delivers outstanding imaging performance day and night. A513W features a 10W high-power speaker combined with a turbo 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, 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 remote 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 camera with infrared and white light illumination, supports HD video calls.
- **Powerful Sound:** Built-in 10W high-power speaker delivers loud, clear broadcast audio for noisy outdoor environments.
- **Intelligent audio:** Equipped with AEC, ANR, AGC, AVC to ensure clear communication in complex environments.
- **Remote pickup:** Supports remote audio pickup up to 5 meters for clear voice capture.
- **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 illumination
		White illumination
		Oral announcement of the IP address (in English)
		MP3 broadcasting
		Switch signal input and output
		Support DC 12V-24/2A power supply and Power over Ethernet (PoE+)
Device Functions		Auto-answering
		Volume adjustment through web page
		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-Fi 6
	BT	Bluetooth 5.4
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 ± 5dB (at F0 / 1.0W/1.0m, 2.45V)
		Impedance: 6Ω
	Microphone	Speaker Power: PoE (IEEE 802.3af, Class 3): 3.5W PoE+ (IEEE 802.3at, Class 4): 8.5W DC 24V/2A: 8.5W
		Dual omnidirectional microphones
		Sensitivity: -38±3dB, AOP: 124dB, SNR: 65dB
	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	Image Sensor	1/2.9" color CMOS
	Pixels	4 Mega-pixel HD camera
	Video Compression	H.264
	Resolution	720P / 1080P / 2K
	Minimum illumination	0.05Lux, support for infrared illumination
	Focal Length	3.6mm
	Wide Dynamic Range	105dB

	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
Deployment & Management		Web-based packet dump
		Configuration export / import
		Firmware upgrade
		Syslog
	RJ45 Port *1	Connect the Internet or LAN
		PoE+ enabled (IEEE 802.3at, class 4)
	Short circuit output *1	Relay: MAX DC30V / 2A, AC125V / 0.5A
		Port: terminal socket
	Short circuit input *1	Port: terminal socket
	SD card slot *1	up to 512 GB
	DC power input *1	DC 12V~24V/2A
		Port: 2 pin terminal socket
	Protection level	IP66
	Appearance material	Housing: ABS Front panel: Aluminum alloy
	Installation	Wall Mount (WM101,optional) & Pendant Mount (optional)
	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	

COMPATIBLE ACCESSORIES:

- Optional



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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