

AC-S1

4G Body Worn Camera



❖ Features

High Level Protection

- IP67, adaptive to various environments
- 2 meters drop protection

Excellent Video Transmission

- 4G / Wi-Fi transmission, improves the video stream continuity under unstable network conditions
- H.264 / H.265 video codec, saves up to 50% bandwidth and storage

High Quality Image

- Night view with LED and IR
- High definition and smooth picture, 2560*1440p@30fps
- Optional extendable camera types (button, badge, ear-hook)

Recognitive Functions

- Supports face recognition
- Built-in face comparison algorithm, offline alarm

Abundant Functions and Features

- 3.1" IPS touchscreen display
- Various shortcut button, additional customized function button
- Supports location function by GPS, GLONASS
- Supports external memory

-Supports removable clips

Multimedia function:

-Support cluster PTT intercom

-Support functions such as video recording, QR code scanning, TTS, etc

-Support file upload to cloud servers and support breakpoint resume function

-Support AI algorithms such as facial recognition, license plate recognition, etc

Specifications

Model	Model	AC-S1
Operation System	Operation System	Android 12.0
CPU	CPU	MT6769 8 Cores CPU 64 bit, 2.0GHz.
Memory	RAM+ROM	3GB+32 GB by default (optional 4GB+64GB/4GB+128GB/4GB+256GB)
Main Lens (1st)	Image Sensor	1/3" progressive scan CMOS
	Max. Recording Resolution	2560 × 1440
	Day & Night	Switch IR cut filter automatically
	FOV	FOV: 126°
	TV-Distortion	<9%
	Focal Length	1.9 mm fixed lens
	Aperture	2.3±5%
2ns/3rd Lens	2ns Lens	8 million
	3ns Lens	2 million
Video	Video Compression	H.264, H.265
	Main Stream	2560×1440/30fps, 1920×1080/30fps, 1280×720/30fps, 640×480/30fps
	Sub-Stream	2560×1440/30fps, 1920×1080/30fps, 1280×720/30fps, 640×480/30fps
	Video Format	MP4, PS
	Pre-record & Post-record	Pre-record: 60/10/5/3 s,(Optional)
		Post-record: 60/10/5/3 s(Optional)
Image	Resolution	64M, 48M, 32M, 16M, 8M, 4M
	Image Format	JPEG
Audio	Audio Compression for Video Recording	AAC, G711
	Audio Compression for Audio Recording	MP3,AMR,WAE
	Audio Compression for Group Intercom	OPUS,G711
	Audio Bit Rate	AMR (12 kbps), AAC (128 kbps), MP3 (128 kbps), G711 (192 kbps),OPUS(13 kbps)

Image Stabilization Algorithm	EIS	Optional
Screen	Screen Size	3.1"
	Touchscreen	Supported
	Display Resolution	800 × 480
	Screen Brightness	Typical value: 350 cd/m ²
IR	IR Range	Up to 10 m, Illumination range greater than 90%
Network Parameters	Wireless Network	2.4G/5.8G Wifi 5 ac, support IEEE802.11 ac/a/b/g/n
	Bluetooth	BT5.0
	Positioning Mode	GPS
	4G	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28A
		LTE TDD: B34/B38/B39/B40/B41
		WCDMA: B1/B5/B8
Others Parameters	NFC	Optional
	Gyroscope	bulit in
	G-Sensor	bulit in
	White Light	bulit in
	Laser Light	provide (optional)
	Red/Blue Flashing Light	bulit in
Network Protocol	Protocol	RTSP,Onvif, MCS8, FTP
	API	SDK
Security	Encryption	AES256
	Watermark	Supported
Software Functions	Smart Functions	Face Picture Capture(Optional)
		Face Picture Recognition(Optional)
		License Plate Recognition(Optional)
	Basic Event	SOS alarm
	Group Intercom	Supported
	Voice Broadcast	Supports TTS voice broadcast(Optional)
	File Upload	Supports OSS object storage and file upload
	Video Intercom	Supports video calls between multiple devices(Optional)
	Voice Call	Supports voice calls between multiple devices(Optional)
	Message Delivery	Supports platform-to-device messaging of messages, files, and other content(Optional)
	Software Upgrade	Supports OTA firmware or app upgrades
	External Camera	Supports up to 1080P USB cameras(Optional)
Battery	Battery Life	Up to 10 h in 1080p resolution ¹
	Charging Way	Type C/Charging Stand(optional)
	Embedded Sub-Battery	60 mAh

	Capacity	3400 mAh
	Battery Type	Lithium-ion battery, dismountable
	Charging Time	≤ 4 h
General	Power	5 V DC, 2.0 A
	Charging Interface	Type-C, Pogo Pin
	Mic	2 built-in mic(s)
	Speaker	1 speaker(s),max. power consumption: 1.5 W
	USB	Type-C
	SIM Card	1 Nano-SIM card(s)
	TF Card	1 TF card(s),64 GB by default, 128/256 /512GB optional
	Button	PTT, Power on/off, Video recording, Audio recording, Snapshot, Event tag, Customized function
	Dimensions	96.8 x 59.8 x 23mm
	Weight	177g, 200g with clips
	Operating Temperature	-10℃ ~ +55℃
	Operating humidity	40%-90%
	Pprotection Level	IP67
	Anti-drop level	2M
Warranty	Warranty	1 years
1:This is a basic estimation of battery working life only when recording is on. Additional power consumption should be considered when IR, GPS, and/or network connection is on 2: All battery claims depend on network configuration and many other factors, actual results will vary. 3:Product parameters may vary, please refer to the actual product. Big Fire reserves the right of final interpretation of the product.		