

Description

The BV-BCAM/4G-3.0 bodycam records in 2K resolution (2560x1440) and features H.264/H.265 compression for maximum efficiency. It integrates an Android 12.0 system powered by an 8-core 64-bit 2.0GHz processor, 4GB of RAM, and 64GB of default internal storage (expandable). The device supports simultaneous local recording and remote viewing via 2.4/5.8 GHz Wi-Fi and 4G connectivity. It features a main camera (64MP image resolution) and a 2MP secondary lens, a $\geq 125^\circ$ wide-angle lens, starlight night vision with IR lights, and a 2.4" IPS touchscreen display. Additional features include built-in GPS/GLONASS, cluster PTT intercom, AI facial recognition, and support for optional external camera attachments. Built to IP68 standards, it withstands drops of up to 2m and extreme environments (-20°C to +60°C). The unit features a 4700 mAh battery providing up to 13 hours of continuous recording.

System

CPU	MT6769 8 Cores CPU 64 bit, 2.0GHz.
System	Android 12
ROM/RAM	4GB / 256GB

Camera

Front Camera	64 Megapixel
Rear Camera	2 Megapixel
CMOS Sensor	1/1.8" progressive scan CMOS
Field of View (FOV)	$\geq 125^\circ$
Lens	1.9 mm fixed lens
Aperture	2.3 $\pm$ 5%
Camera Lens	Scratch-resistant
Starlight Night Vision	Support
Day & Night	Switch IR cut filter automatically
Image Format	JPEG
Video Format	MP4, PS

Video

Image Resolution	64M, 48M, 32M, 16M, 8M, 4M
Compression	H.264 / H.265
Recording Resolution	2.5K@30FPS (2560 × 1440), 1080p@30FPS (1920 × 1080), 720p@30FPS (1280 × 720), 480p@30FPS (640 × 480)
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
One-Touch Recording	YES (Various shortcut buttons)
Important Video Tagging	YES
Pre-event Recording	3S / 5S / 10S / 60S
Video Clip	
Post-event Recording	3S / 5S / 10S / 60S
Video Clip	
Digital Zoom	N/A
Metadata	Date, Time, GPS Coordinates, Watermark

Audio

Audio	High Quality, 2 Built-in Microphones
PA Audio	Integrated
Audio Compression	Video: AAC, G711 / Audio: MP3, AMR, WAE / Intercom: OPUS, G711
Speaker	1 Speaker (Max. power consumption: 1.5 W)
Audio Format	AAC, G711, MP3, AMR, WAE, OPUS



Face recognition



2K



GPS Positioning



Panic Button (SOS)



Compression H.265 / H.264



IP68



Wi-Fi (4G)



Screen

Screen Size	2.4"
Touchscreen	Supported
Display Resolution	640 × 480
Screen Brightness	Typical value: 450 cd/m ²

Network

Bands	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28A; LTE TDD: B34/B38/B39/B40/B41; WCDMA: B1/B5/B8
SIM Card Slot	Integrated, 1 x Nano-SIM card slot
Wi-Fi	2.4G/5.8G Wi-Fi 5 ac, supports IEEE802.11 ac/a/b/g/n In
GPS	GPS / GLONASS
G/M Sensor	Gyroscope and G-Sensor Integrated
Bluetooth	Bluetooth 5.0
NFC	Optional
Panic/Emergency Button	Supported via shortcut buttons
Protocol	RTSP, ONVIF, BCMS, FTP (API: SDK)
Encryption	AES256

Night Vision

Night Vision	Starlight night vision with 2 IR lights (Up to 10 m, illumination range >90%)
White Balance	AWB
Laser Light	Integrated
White Light	Built in

Interface

Shortcut Button	6 Button
Type-C	1 x Type-C

Battery

Type	Lithium-ion battery
Capacity	4700 mAh battery; Up to 13 hours of continuous recording (in 1080p)
Continuous Electrical System	Breakpoint resume / Power management supported
Charging Time	≤ 3 Hours

General

Power	5 V DC, 2.0 A
Charging Interface	Type-C, Pogo Pin
Mic	2 built-in microphones
Speaker	1 speaker, max. power consumption: 1.5 W
OTG	Supported via Type-C
Internal storage	256GB (128GB optional)
Micro SD slot	1 TF card(s), 64/128/256/512GB optional
Watermark	OSD
IP rating	IP68
Military Standard	MIL-STD-810G
Drop test	2 meters
Device design	Military grade
Weight	210g
Dimensions	100 mm × 67 mm × 28 mm
Operating temperature	-20°C to +60°C
Operating humidity	40% – 90%

Key Features

High Level Protection

- IP68, adaptive to various environments.
- 2 meter 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% of 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

- 2.4" 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.

Software

VMS	BodyCam Management System (BCMS)
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Analytics

Face recognition	Online with server and offline facial detection (battery consumption will increase if analytics are active)
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Accessories



Type-C Cable

Dimensions

