BV-A11

4G Android Body Worn Camera

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Triple cam design｜Dual Sim｜4G LTE, GPS, WIFI｜3.5" LCD｜IP67

BV-A11 is the high-end 4G LTE Full HD Body Worn Camera tailor-made for law enforcement application. With IP67 waterproof, shock and vibration-resistant, dust-proof design, the outstanding performance delivers clear and sharp images in extremely low light conditions. BV-A11 features 120º angle view, 3.5" HD display, 1080P video recording, Dual sim card, 16MP photo resolution, 10m IR, external 1080P camera support, realtime video streaming, 2-way audio, SOS alert, laser indicator and etc.

Key Features

- 4G LTE Body Worn Camera
- Live H.264 video streaming
- 1080P FHD Video recording
- Dual SIM card support (optional)
- Triple camera support
- Triple mic noise reduction, 3W speaker
- External 720P/1080P camera support
- FOV:120 º (diagonal), 107 º (horizontal)
- IP67 waterproof and dust-proof
- 3.5" IPS Touch Screen (Corning Gorilla III), support glove-wearing operation
- 16MP resolution image shooting
- 10 meters IR Night Vision
- GPS, WIFI, Bluetooth, NFC built-in
- Support 4G/5G network
- Shock & corrosion protection, 2M drop test
- One-key SOS, Two-way audio, Group call
- Data safety with encryption
- Watermark function
- Support adding facial recognition and vehicle license plate recognition
- CMS client & server management platform

Package contains

Parts	Qty	Remark
4G Camera with 2GB RAM+32GB memory	1	64GB/128GB optional
2700mAh battery	1	
5V 2A Adapter	1	
USB data cable	1	
Back Clip	1	
9V 2A Adapter	1	optional
Desktop Charger	1	optional
CMS & Manual	1	softcopy
4000mAh battery	1	optional
External camera earhook	1	optional

Technical Specifications

General	Product series	BV-A11
	System	Android 8.0, built-on MTK6739 soc
	Processor	Quad-core ARM/1.5GHz/64 bit CPU
	LCD	3.5" (320x480) capacitive IPS multi-touch screen (up to 5 dots)
	Sensor Type	CMOS (4MP)
	Field of View	120º wide-angle lens
	Focus Range	0.5m ---∞
	Camera	1x Main camera (4MP), 1x Front camera (2MP) 1x Smart camera (13MP, AF)
	External Camera	support 720P/1080P external camera (optional)
	Memory	32GB (16GB/64GB/128GB optional)
	RAM+ROM	2GB+16GB / 2GB+32GB (1GB optional)
	Sim Card	2 x Nano Sim card support
	Microphone	Built-in microphone and speaker, ¢2.5mm
	Trumpet	Dual trumpets
	Vibrating motor	Support
	Interface	1x Micro USB, 1x BT4.0, 1x USB POGO 5 PIN, 2x Sim slot, 1x TF slot, 1x Bluetooth earphone
	LED Indicator	whilte light LED, color video shooting at night
	Push to talk	Support
	NFC	IEC14443 TypeA/B
	OTG	Support
Wireless Transmission	3G/4G Real-time Transmission (6 modes, 16 bands)	TDD LTE: B38/B39/B40/B41
		FDD LTE (Asia/EU): B1/B3/B5/B7 (B28A/B28B customized)
		WCDMA: B1/B5
		TD-SCDMA: B34/B39
		EVDO/CDMA2000: BC0
		GSM: 900/1800
	WIFI	802.11a/b/g/n, 2.4G/5G
	Bluetooth	BT 4.1 with BLE, BT2.1+EDR (BT5.0 downward compatibility)
	GPS position	GPS/GLONASS hybrid positioning system
	Voice intercom	public network voice intercom
Photo	Image Resolution	16 Mega pixels
	Shutter control	Electronic shutter
	Exposure control	Auto
	White balance	Auto
	Photo format	JPEG
Video/Audio	Video Input	Built-in camera: 1080P; External camera: 720P/1080P (optional)
	Video transmission	1080P under 4G network, 256kbps-8Mbps
	Video record	1920*1080/1280*720/720*480/640*480 at 30fps
	Video encode	H.264
	Video format	AVI
	Audio format	AAC, 3GP
	Pre-& Post-record	0 / 5/ 10/ 15 sec
	Working time	5hr/2700mAh battery, 8hr/4000mAh battery, 48hr standby
Operation UI	LED	Auto switch, IRCUT, High-power LED, Laser indicator, Flash light, Infrared light, Police light, Light detection by built-in chip
	Night vision	about 10meter in total darkness with fill light Automatic IR switch mode in low light environment
	OSD language	English/Chinese (other language by request)
	Button	Power/ Video Record/ Photo/ Voice Record/ PTT/ Mark/ SOS
Mechanical	Battery	2700mAh Li-polymer battery (4000mAh, optional), replaceable
	IP standard	IP67
	Drop test	2meter
	Charging method	adapter, USB or vehicle, DC 5V, 1000mA, charger, dock station
	Charging time	max. 3hours, fast charging PE+ protocol support
	Temperature	Working: -30℃ ~ +55℃ ; Storage: -40℃ ~ +70℃
	Weight	170g
	Dimensions (L*W*H)	107.0mm x 63.8mm x 17.0mm

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Functionality

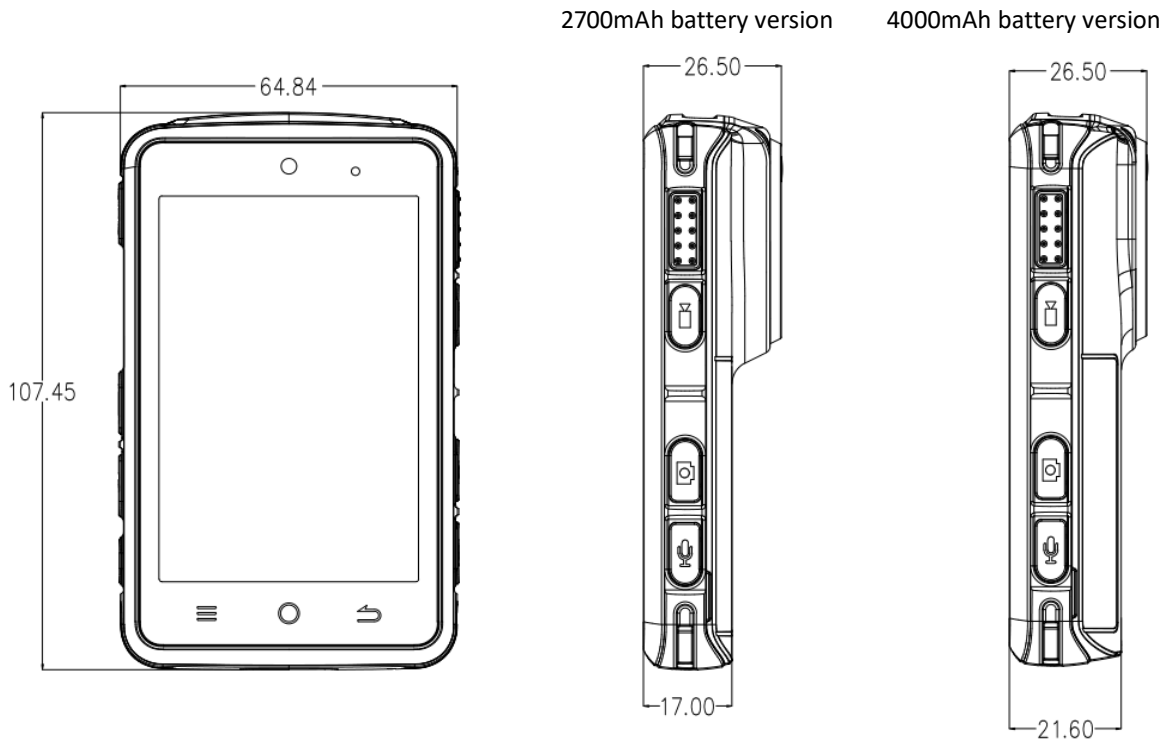| Items	Details
One-key Operation	One key operation for video recording, audio recording or snapshot. Press single button to capture photograph during video shooting without affecting the normal video
3G/4G/Wi-Fi Transmission	Embedded with 3G/4G/WIFI module, the device can register into a public network to connect with VMS, and can send all the information (video/ audio/ alarm/ gps) through wireless network. The device supports live video streaming under the network 4G/5G wireless communication mode Speed: TDD: max. upstream rate @ TDD cat4 50Mbps ; max. downstream rate @TDD cat4 150Mbps FDD: max. upstream rate @ FDD cat4 50Mbps; max. downstream rate @ FDD cat4 150Mbps
Global Positioning System	The device can receive satellite data and upload the position information to the command center in real time through the built-in communication module. Geo-Fence function: alarm trigger if crossing the geo-fence Support GPS/Baidou (Glonass) hybrid Positioning Support Compass
Infrared Night Vision	The outline of the human body can be seen in 10-meter effective distance The characters in the picture of the facial features can be recognized in the effective 3~5meter shooting distance
Sensor	Support Ambient light sensor, Proximity sensor, 3D acceleration sensor
Browse, retrieve and playback	The video and audio, photo and other information saved in the device can be browsed, retrieved and replayed according to the time
Character Superimposing	Information can be automatic overlay in the recorded video and the pictures, for example time, date, user number, GPS location information
Display	The device can display battery charge, charge status, system time, storage margin and other information. Boot, voice recording, video state available with light indicator.
Time Synchronization	When the device connected to the host computer, the time can be automatically syncronized with the time server through the management software.
One key SOS	When in emergency, users can press the SOS button to trigger the alarm and send to CMS, while the GPS information, real-time video and audio will be sent back at same time.
Data Integrity	The device can store the data and protect stored data, stored data is not removed or covered by this machine or unauthorized host computer. The device in the abnormal problems can be restarted, the stored data will not be lost or damaged after the restart.
Log Recording	The device can record the running status and operation information, just as the on / off time, video time, recording time and photographic operation information. Log reading and cleaning can only be done through the host computer system management software.
Color Reduction	The picture color is similar to the body color during video display or playback. The device has the function of automatic infrared filter.
Information Upload	All the information can be uploaded, just like the recorded video, audio, photos, internal time and memory capacity information, user information and use of personal information
Information Download / Receive	A. The information used to calibrate the local calendar clock should be download or received, like "year, month, day, hour, minute and second" B. Some information of configuring the working mode of the device, such as reading the record data, deleting the control instruction of the recorded data and so on C. Video and photo resolution, user information
Group talking	Administrator can build groups and add different users into one group. Users can talk and send message to other members in this group.
Two-way Audio	Support 2-way audio between BWC Support 2-way audio between BWC and platform

BV-A11

4G Android Body Worn Camera

Product image

Dimension

2700mAh battery version   4000mAh battery version

Optional accessories

Desktop charger
(simultaneous charging
BV-A11 and battery)

BV-CE1
1080P Earhook Camera

WDS06
6Bay Dock Station
(Windows embedded,
Wall-mount design)

WDH06
6Bay Extended Hub
(max 3 Hub per dock station)