

4G HD Body Camera

1.Product features:

- The thinnest part of the whole industry is 18.2 mm
- 4G all-network communication
- 3.2 "HVGA high-definition large screen
- IP68 protection grade
- Industry's first fingerprint identification
- NFC ID card identification

2. Basic information:

Classification	Description
Product name	4G HD Body Camera
Product model	MC1
Target customer	Government law enforcement system departments (industry and commerce, transport, customs, etc.)
Usage scenario	Wear and combine background command and control platform, realize video real-time transmission, team unified scheduling, remote support and other command and control integration functions

3. Product specification description:

NO.	Parameter	Product description	
01	Hardware information	Main processor	MT6739CW Quad core 64 bit 1.5GHz
		Memory	16GB ROM + 2GB RAM (The whole machine has 32GB TF card)
		Crypto module	Built in intelligent security encryption chip, support SM1, SM2, SM3, SM4 and other national security algorithms; support 3DES, RSA, SHA-1 and other commonly used international cryptographic algorithms
02	Reliability	IP grade	Comply with IP68 protection level requirement in GB4208-2008
		Environment	Suitable for working environment of - 30 °C to 55 °C and humidity less than 90%
		Anti falling height	2 m
03	Structure	Dimension	108.1mm × 63mm × 18.25mm(excluding back clamp and external equipment)
		Weight	180g (excluding external equipment), 211g (including external equipment)
		Key	There are 7 independent physical buttons on both sides of the machine, which can realize one button photographing, one button video, one button recording, and related operations (marking key, SOS key, PTT intercom key)
04	Display	Display screen	3.2 "HVGA vertical screen. Display the white test signal of the whole field, with the maximum

4G HD Body Camera

			brightness of 380cd / m2. Display the whole field black test signal, the ratio of the brightness value of the whole field white and the whole field black test signal is 400:1
		Touch screen	Capacitive touch screen CTP. Support glove mode and splash operation
		Field angle	≥ 90 degree, distortion < 20%
05	Video and picture parameter	Video input	The resolution of dual main cameras is 1920 * 1080; the resolution of sub cameras is 1920 * 1080; the resolution of external cameras is 1920 * 1080
		Video transmission	Real time transmission of video network under 4G network: 1080p / 15 frame, 720p / 25 frame, d1:30 adjustable frame rate
		Record	Encoding mode: H.264, hard encoding Resolution: 1080p / 30 frame, 720p / 30 frame It supports the function of pre recording and extension, with optional settings Rate adjustable Watermark overlay: time date, location information and custom coding
		Video format	MP4
		Picture format	Maximum 12 million pixels, actual effective pixels 4608 * 2592, saved in JPG file format
06	Photograph	Sensor	CMOS
		Shutter	Electronic shutter
		Infrared night vision	Automatic infrared night light on / off, automatic switching
		White balance	Auto
		Torch	Support
		Laser location	Support
		Environmental light inspection measure	Built in ambient light detection chip, automatic switching of infrared night vision
07	Position	Satellite positioning	Domestic: Integrated GPS and Beidou second generation positioning function Overseas: support Galileo and GLONASS system
08	Wireless transmission	2G/3G/4G Realtime transmission	LTE All China Netcom supports 2G / 3G / 4G band of all domestic operators and diversity antenna. CMCC: 2G :GSM900/1800 3G: TD-SCDMA Band34/39 4G: TD-LTE Band 38/39/40/41 Unicom: 2G: GSM900/1800 3G: WCDMA Band1

4G HD Body Camera

		4G: LTE-FDD Band1/3 TD-LTE Band40/41 Telecom: 2G/3G CDMA BC0(850M) 4G: LTE-FDD Band1/3/5/26 TD-LTE Band40/41
	WIFI	802.11b/g/n
	BT	Bluetooth 4.0
09	Data interface	10pin Mini USB 2.0
10	NFC	Support second generation ID card identification
11	Security chip	Support
12	Fingerprint identification	Support press fingerprint identification
13	Charging mode	Support fast charging, special adapter, USB interface charging and vehicle charging, DC 5V, 2000mA
14	Battery	Detachable structure design, supporting continuous battery replacement, 4.35v high-voltage cell, 2650mah
15	Storage capacity	The factory default storage space is 32GB, the recording time is not less than 8 hours, and the storage time is not less than 3000 pieces
16	Operating system	Andriod7.0

4. Key performance

NO.	Key performance	Description
1	Power consumption	On line standby time > 24h (single battery) Maximum resolution video recording > 4.5H (single battery) Video plus network transmission > 3H (single battery)
2	Startup time	Start up less than 20s when fully shut down
3	Audio effect	Talkback is clear without echo.
4	Other properties	Comply with CH enterprise standard

5.Function description

NO.	Function	Function description
1	Fingerprint identification	Support multi fingerprint identification, and conduct security management on relevant data and login authority
2	Video recording function	It supports multiple resolution shooting and recording functions, and can capture photos with one key during the shooting process
3	personal identification verification	Support the comparison of ID card and face, and realize the combination judgment of ID card and face
4	Face recognition	Support face recognition
5	Video conference	Multi party video conference
6	Clustered Talkback	It supports multi-level and multi-level voice group intercom, and can be set with grouping and decentralization
7	SOS One touch alarm	SOS One button alarm realizes real-time video upload to

4G HD Body Camera

		command center
8	Multilingual speech translation	Support real-time translation of multi-national and part of national minority languages (Uyghur, etc.) through speech recognition
9	Figure code identification	Support identification of QR code, barcode, etc
10	Fixed video monitoring call	Fixed video monitoring can be viewed through mobile terminal call
11	Remote boot	Support the command center to start the equipment remotely (optional function)
12	Wireless transmission	Support the transmission of video through 4G wireless communication mode of the whole network
13	WIFI	Support
14	Global positioning system	Domestic: products support GPS + Beidou dual-mode positioning Overseas: support Galileo and GLONASS system Support base station auxiliary positioning
15	Projection screen function	Screen content can be projected to devices supporting WLAN projection (smart TV or smart box, etc.)
16	Infrared night vision function	It shall not be less than 3m, and the facial features of the characters can be seen at the effective shooting distance. The infrared light compensation range shall cover more than 70% of the area of the recorded picture at 3m
17	Browse, retrieve and replay	It has the function of browsing, retrieving and playing back the video, audio, photos and other information stored in the machine in the way of time axis
18	Character overlay function	Automatically overlay information in recorded video and photos, such as time, date, user number, GPS location information
19	Display indication function	Visual intelligent individual can display battery power, charging state, system time, storage margin and other information; startup, recording, recording state shall have obvious light indication, startup state indication is green, recording state indication is red, recording state indication is yellow
20	Time correction function	When connecting the upper computer, the time is automatically synchronized with the time server through the management software, and the time cannot be modified by the machine
21	Abnormal alarm function	The visual intelligent individual soldier has the functions of battery under voltage and storage overflow alarm. After the battery under voltage alarm, the remaining capacity of the battery can ensure that the visual intelligent individual can record normally for not less than 5min, but not more than 30min
22	Data integrity	The stored data shall be protected, and the stored data shall not be deleted or overwritten by the local computer or unauthorized upper computer. Visual intelligent individual can restart in case of abnormal problems, and the saved data will not be lost or

4G HD Body Camera

		damaged after restart
23	Logging function	Log the operation status and operation of the equipment, record the on / off time, recording time, recording time and camera operation. The reading and clearing of the log can only be completed by the management software of the upper computer system
24	Management software	(1) hierarchical management and authorization authentication; (2) setting the basic parameters of system time, password setting and hierarchical management; (3) uploading, deleting and querying the files recorded in the visual intelligent individual; (4) classified storage and retrieval can be carried out according to the number, information, time and other elements of the visual intelligent individual; e. setting the video resolution and frame rate of the visual intelligent individual; F Set user information and user information. (1) with automatic data import function: when the product is connected with the authorized upper computer through the communication interface, it can automatically upload the internal video and audio information, audio information, photo and log data, user information, file type and shooting time
25	Color reduction	The color of the display and playback picture and the color of the subject are not biased, and have the function of infrared automatic filter
26	Information upload	Recorded internal time and memory capacity information, user's personal information and user's unit information of video, audio, photo, visual intelligent individual
27	Information downloading / receiving	1) the information used to calibrate the visual intelligent individual calendar clock shall include "year, month, day, hour, minute and second"; 2) the information used to set the working mode of the visual intelligent individual, such as the control instructions for reading the recorded data and deleting the recorded data; 3) the video and photo resolution and user information
28	Connecting the walkie talkie	It can connect the walkie talkie, provide pick-up and loudspeaker for the walkie talkie, and be compatible with digital and analog walkie talkies
29	External USB camera	OTG UVC with MIC
30	Wireless camera	Support wireless WiFi camera for image recording
31	Wireless screen	Device screen information is projected to the receiver

6.Product picture

4G HD Body Camera

