Specification

Date:2022

Body Recorder Product Specifications

Features	• 4G performance: support 2K ultra-high-definition image transmission, data transmission does not drop frames, more stable. • Support sliding video button to reduce misoperation • Support GPS/Beidou/GLONASS/Galileo positioning, real-time recording and remote sharing of geographic coordinates and speed data, excellent performance. • Ultra-high image resolution, 1600 lines for photos, 1300 lines for video, and no interpolation pseudo-pixels • AI function, intelligent recognition, support face recognition, license plate recognition (optional) • AI voice noise reduction function, which can filter more than 60dB of ambient noise and restore voice clearly • 2*2W dual speakers, the volume of the intercom is comparable to that of a professional walkie-talkie • Built-in Xindajiean encryption chip, support AES256 encryption algorithm • H.265 video compression technology, the same image quality, the storage is halved. • Support NFC smart identification. • Platforms that support national standard 28181 and mainstream protocols in the market connect video and audio, intercom, and positioning equipment information. • Support ±3° EIS electronic image stabilization, record clear video in sports environment. (*In development) • Detachable integrated battery for quick battery replacement and the battery supports separate waterproofing. • The ultra-wide-angle lens has a 1-meter law enforcement distance and can shoot full-body videos of people with a height of 1.8 meters. • Support cradle charging, you can charge the host and backup battery at the same time, and the battery life is more worry-free.

Parameters

Model	QH-BC10	
Basic Information	chip	Qualcomm Snapdragon SDM450
	operating system	Android 9.0
	system language	Simplified Chinese, Traditional Chinese, English
	Memory	2GB(RAM)+16GB(ROM)
	storage	Standard 64G can be customized according to demand
	SIM card type	Nano SIM
	lens	Main camera 1600M + sub camera 500M
	lens angle	The horizontal is greater than 115°, and the vertical is greater than 75°, the distortion is about 7.5%
	digital zoom	8x, after 8x zoom, it can recognize the license plate 10 meters away
	main display	2.8-inch high-resolution LCD display
Network communication	Network standard (frequency band) national version	2G: 900/1800MHz
		3G: WCDMA (B1/2/5/8), CDMA EVDO (BC0)
		4G: LTE FDD B1/B3/B5/B8
		4G: LTE TDD B34/B38/B39/B40/B41
	Network standard (frequency band) European version	2G: 850/900/1800/1900MHz
		3G: B1/B2/B4/B5/B8
		4G: LTE FDD B1/B2/B3/B4/B5/B7/B8/B20/B28
		4G: LTE TDD B38/B39/B40/B41
	Network Type	4G full Netcom (downward compatible with 3G)

	Bluetooth	Support, BT5.1 (support connection to Bluetooth headset for voice calls)
	WIFI	Support, 2.4 GHz/5 GHz, 802.11 a/b/g/n/ac (5GHz only for EU version)
	position	Support (GPS+Glonass+Beidou+Galileo) Beidou and GPS independent positioning, satellite real-time positioning and real-time trajectory playback
	Video resolution	2560*1440P/30FPS, 1920*1080P/30FPS, 1280*720P/30FPS, 720*480P/30FPS
Video	video compression standard	H.264/H.265/VP8
	Video format	MP4
	Video recording	Video, audio and video synchronous recording, independent dual stream (local recording and 4G remote video)
	Streaming bit rate	2560*1440P/30FPS, 1920*1080P/30FPS, 1280*720P/30FPS, 720*480P/30FPS
	Video pre-recording	Yes, optional: off/10s/15s/30s/1min/2mins
	video recording	Support, optional: off/5s/30s/1min/5mins/10mins/30mins
	photo resolution	1800 lines of photo, 1400 lines of video. Refuse to interpolate virtual pixels
Photograph	photo format	JPG
	capture	Support to capture 8 million high-definition photos (1800 lines) in video recording state
	Take pictures regularly	support, optional: off/5s/10s/15s
	Delay taking pictures	support, optional: off/5s/10s/15s
	continuous shooting	Support, optional: off/2/3/5/10/15/20
	audio input	3 MIC AI noise reduction, the system has its own noise reduction algorithm, does not depend on the platform noise reduction algorithm
Recording	audio format	MP3
	recording	Support separate recording, recording and recording can be switched with one key
	Infrared mode	In low light, the infrared light can be turned on automatically or manually to enhance the shooting effect (see the outline of the target within 10 meters)
Auxiliary light source	white light	Ultra-high brightness LED lighting, night vision 3 meters away from the shooting effect to achieve the effect of fluorescent lights
	laser light	Support laser light, shooting positioning
	USB interface	Support fast charging/transfer data waterproof Type_C, USB3.0 (It is more convenient to use without rubber stopper), Support OTG, support transfer to MINIUSB to access the collection station, external USB camera headset
Data interface	headphone holder	Support, share Type_C interface
	battery capacity	3000mAh, replaceable battery design, the battery and the host can be separated and waterproof separately
Power supply	Auxiliary battery capacity	80mAh (body recorder can work continuously when battery is replaced)
	Charging (USB)	≤4 hours support cradle charge, cradle charge supports charging the host and backup battery at the same time
	drop height	2.0 meters
Structure	Protection class	IP68
	size	About 102.5*63*29mm
	weight	183g
	EIS electronic image stabilization	*Support super EIS anti-shake algorithm, the anti-shake effect is comparable to professional sports DV (under development)
Software information	One key alarm	The alarm signal can be reported to the management platform
	auto overwrite	Supports optional automatic override
	Image playback	Support local video playback, retrieve video files by time, alarm, etc.
	Remote image function	Support remote online video playback, remote video file download
	safe mode	Safe mode is limited to basic operations such as recording, taking pictures, and recording, and cannot enter the setting interface and playback interface
	video encryption	Support video encryption function, encrypted video needs to be played under a special player (optional)
	log	Record key operations, setting changes, video recording on and off, alarms, etc.
	night vision	The face of the video or photo can be clearly seen 5 meters away
	position	When there is no network assisted positioning, the GPS or Beidou positioning sensitivity and accuracy are improved within 30 seconds, and the satellite time correction is turned
	Cluster intercom	3 MIC noise reduction intercom, dual speakers output sound 2 meters clear and distinguishable numbers, built-in duplex noise reduction algorithm does not depend on the chip
	NFC read	The chip supports identification, reading and comparison of ID card information, etc. (optional)
	boot time	After pressing the power button, the normal video recording time is less than 30 seconds until the power is turned on and the viewfinder is entered.
	Built-in small battery switch	The main battery is removed from the device to give a prompt, the built-in small battery can continue to record at 1080 for no less than 5 minutes
	Video encoding format	Support H.265/H.264 switchable
	Video dual stream	Local and image transmission 2K/1296P/1080p/720P/480P optional, live video resolution above 1000 lines
	local file upload	The local video, audio and photo files of the recorder can be uploaded to the server
	face recognition	Support deep learning algorithm face recognition, massive local blacklist or cloud recognition (non-standard)
	License Plate Recognition	Recognition and analysis based on local/background license plate library (non-standard)
	Video Conference - Voice Intercom	support
	time	Supports time synchronization with network, computer or GPS
	Command and dispatch platform docking	Supports docking with platforms of national standard 28181 and mainstream market protocols such as video and audio, intercom, and positioning equipment information