

LAW ENFORCEMENT RECORDER

1. Product Image:



External camera as optional:



2. Product Features

- 4G performance: Supports 2K ultra-high definition image transmission, data transmission does not drop frames and is more stable.
- Supports GPS/Beidou/GLONASS/Galileo positioning, real-time recording and remote sharing of geographical coordinates and speed data, excellent performance.
- Ultra-high image resolution, 1600 lines for taking pictures and 1100 lines for video, eliminating false interpolation pixels.
- AI function, intelligent recognition, supports face recognition, license plate recognition (optional).
- The AI voice noise reduction function can filter environmental noise exceeding 60dB and restore speech clearly.
- 3W speaker, 10CM 105dB intercom volume is comparable to professional intercoms.
- H.264/H.265 video compression technology, the same image quality, but the storage is reduced by half.
- Support NFC intelligent identification.
- Platforms that support national standard 28181 and mainstream protocols on the market can connect to video, audio, intercom, and positioning equipment information.
- Removable battery for worry-free battery life
- Ultra-wide-angle lens, with a horizontal angle of more than 120°, without missing any

details

- Supports PDAF macro camera, PDAF focusing speed 0.1 seconds to focus quickly
- 1.2mm long stroke button, easy to operate
- Supports cradle charging, which can charge the host and backup batteries at the same time, making battery life more worry-free.

3. Product Specifications

Project	Parameter	Describe
Basic Information	Product number	
	chip	4G smart chip
	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 needs
	SIM card type	Nano SIM card
	lens	Main camera 1600M + secondary camera 200M + PDAF 13MP physical pixels
	camera angle	Horizontal greater than 120°, vertical greater than 80° distortion <10%
	digital zoom	8x, after 8x zoom, the license plate can be recognized 10 meters away
	main display	2.8-inch high-resolution LCD display, 550cd/m2 ultra-high brightness, visible under sunlight
Network communication	Network format (frequency band)	2G: GSM: 900/1800MHz
		3G: WCDMA (B1/2/5/8), TD-S (B34/39), CDMA EVDO (BC0)
		LTE FDD: B1/B3/B5/B7/B8
		LTE TDD: B34/B38/B39/B40/B41
	Network Type	4G full network communication
	Bluetooth	Support, BT5.1 (supports connecting to Bluetooth headsets for voice calls)
	WIFI	Support, 2.4G, 802.11 b/g/n
position	Support (GPS+Glonass+Beidou+Galileo) Beidou and GPS independent positioning, satellite real-time positioning and real-time trajectory playback; Prioritize the use of Beidou satellite navigation and positioning;	
Video	Video resolution	2560*1440P/30FPS, 1920*1080P/30FPS, 1280*720P/30FPS, 720*480P/30FPS
	Battery life	Under the condition of 1920X1080 resolution, the battery working time should meet the continuous recording time of a single battery ≥ 10h; the continuous recording time of a battery replacement is ≥ 20h;

		For real-time video transmission at a resolution of 1920 And wireless transmission, the working time of a single battery should meet the continuous recording time method. The working time of replacing a battery should meet the continuous recording time $\geq 5h$, and the working time of replacing the battery should meet the continuous recording time $\geq 10h$.
	video compression standards	H.264/H.265/VP8
	video format	MP4
	Video recording method	Synchronous recording of video and audio, independent dual streams (local recording and 4G remote video)
	Push bitrate	2560*1440P/30FPS, 1920*1P/30FPS, 1280*720P/30FPS, 720*480P/30FPS
	Video pre-recording	Supported, optional: off/10 seconds/15 seconds/30 seconds/1 minute/2 minutes
	Video extension	Supported, optional: off/5 seconds/30 seconds/1 minute/5 minutes/10 minutes/30 minutes
Photograph	Photo resolution	1600 lines for taking pictures and 1100 lines for video. 32MP camera pixels
	photo format	JPG
	Snapshot	Supports capturing 8 million high-definition photos while recording
	Take photos regularly	Supported, optional: off/5 seconds/10 seconds/15 seconds
	Delayed photo taking	Supported, optional: off/5 seconds/10 seconds/15 seconds
	Continuous shooting	Supported, optional: off/2 pictures/3 pictures/5 pictures/10 pictures/15 pictures/20 pictures
recording	audio input	AI noise reduction can filter environmental noise
	audio format	MP3
	recording	Supports separate recording, recording and video recording can be switched with one click
Auxiliary light source	Infrared mode	In low illumination, the infrared light can be turned on automatically or manually to enhance the shooting effect (clearly see the outline of the target within 10 meters)
	White light	Ultra-high-brightness lighting LED, night vision 3-meter distance shooting effect reaches the effect of fluorescent lamps
	laser light	Support laser light, shooting positioning
Data interface	USB interface	Supports fast charging/data transmission, waterproof Type_C, USB3.0 (more convenient to use without rubber plug), supports OTG, supports MINI USB access to the collection station, and external USB camera headset
	Headphone holder	Supported, shared Type_C interface
power supply	battery capacity	3000mAh, replaceable battery design, the battery and host can be separated and individually waterproof
	Auxiliary battery capacity	60mAh (the law enforcement recorder can work continuously when replacing the battery)

	Charging (USB)	≤4 hours support cradle charging, cradle charging supports charging the host and backup battery at the same time
structure	Anti-fall height	2.0 meters
	Protection level	IP68
	size	About 94.8*26.4*58.6mm
	weight	≤167g (excluding back clip),
Software information	EIS electronic image stabilization	*In development
	One-click alarm	Alarm signals can be reported to the management platform
	Automatic coverage	Supports optional automatic override
	Image playback	Support local video playback and retrieve video files through time, alarm, etc.
	Remote image function	Support remote online video playback and remote video file download
	safe mode	Safe mode is limited to basic operations such as video recording, photo taking, and audio recording, and cannot enter the setting interface and playback interface.
	Video encryption	Supports video encryption function, encrypted video needs to be played with a dedicated player (optional)
	log	Record key operations, setting changes, recording on and off, alarms and other information
	night vision	Faces can be clearly seen from 5 meters away in videos or photos
	position	When there is no network-assisted positioning, the sensitivity and accuracy of GPS or Beidou positioning are improved within 30 seconds, and the satellite time correction is turned on and off.
	Cluster intercom	AI noise reduction intercom, speaker volume exceeds 105dB; has remote intercom function.
	NFC reading	The chip supports identification, reading and comparison of ID card information, etc. (optional)
	boot time	Normal recording time from pressing the power button to starting the camera and entering the viewfinder is less than 30 seconds.
	Built-in small battery switch	When the main battery is taken out, the device will give a prompt. The built-in small battery can continue recording 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	Can upload local video, audio, and photo files of the recorder to the server
	face recognition	Supports deep learning algorithm face recognition, massive local blacklist or cloud recognition (non-standard)
License Plate Recognition	Recognition and analysis based on local/backend license plate library (non-standard configuration)	

Video consultation-voice intercom	support
time	Supports time synchronization with network, computer or GPS
Command and dispatch platform docking	Supports docking with video, audio, intercom, and positioning equipment information with platforms with national standard 28181 and mainstream protocols in the market.