

# Law Enforcement Recorder

## Product Overview

Version: 2.0

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# 1. Introduction

## 1.1 Overview

Law Enforcement Recorder is designed to capture, store and share video, audio and image. Widely used by Police officer, Urban management officer, etc. The device allows you to make and transmit voice, image, and real-time video to a control center over USB, or Docking system, or 4G/Wi-Fi. Docking system is specially designed as multiple charger to auto export files to the Data Control Centre platform for Data acquisition and processing.

## 1.2 Advanced Features

- **HD Video/Audio/Photo recording**

Built-in 4 million pixel cameras, support recording at 1080P, 720P, support taking picture with 40 million pixels, 32 million pixels and 2 million pixels.

- **Emergency recording**

In shutdown mode, press one button to record the emergent scene, by image, audio, video.

- **SOS panic button**

Panic button alarm can be sent to control center through 3G/4G, and take picture/video at same time.

- **4G/WiFi live stream video**

Get live video and audio through 3G, 4G or WiFi, WiFi-preference connecting.

4G support: global LTE frequency

WiFi support: 802.11n/b/g, 2.4GHZ WiFi, AP.

- **GPS Tracking**

GPS location information data will be recorded into the file with image, audio and video.

- **PTT**

Press to talk with platform, talk between different device in real time.

- **External Camera (option)**

Connect with external button camera.

- **Protection grade**

IP65

- **Night vision**

Support shooting in low-light.

- **Data encryption**

Protect important video/audio with pin,make the evidence data more safe.

- **Pre-recording**

Recording the video for a predefined time period before pressing the Video Recording key when start recording.

- **Post-recording**

Recording the video for a predefined time period after pressing the Video Recording key when finish recording.

- **Display on screen**

Print officer ID, Device ID, Date, Time, Battery level, Storage, etc. on photo/video.

- **Exception recovery**

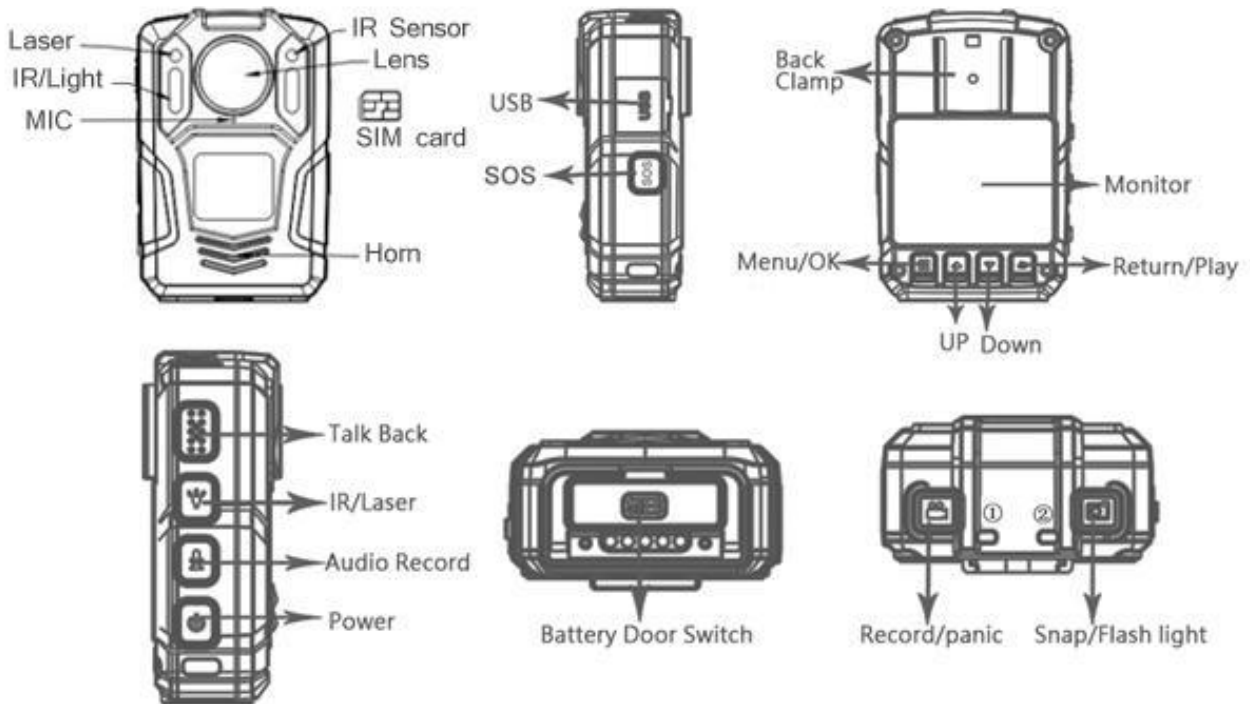
When an exception occurred (e.g. battery breakdown) and lead to an unfinished video shooting, the terminal must detect and fix the exception automatically when powered on.

- **Battery replaceable**

Two batteries available, the device won' t stop recording when replacing batteries.



## 2. Device Appearance



### 3. Specifications

OS	OS	Linux 3.10.73, Ambarella A12 S2Lm55
	Booting time	< 8 s
	Language	English, option
Video	Compression	MPEG4, H.264AVI
	Live Video	1920x1080/1280x720/640x360
	Local Video	2560x1440 30p /1920x1080 30P /1280x720 60p /1280x720 30p/ 848x480 30p
	Frame rate	30 fps /1080p
	Record mode	Record audio and video at the same time
Image	Resolution	1920x1080~8640x4752
	Snap	Support snapping during recording
	Image format	.JPEG
Audio	Audio input	1x MIC input, support intercom connection with USB
	Compression	PMC
	Audio Format	.MP3
Light source	Flash light	To increase brightness when you are recording or taking a photo
	Laser	Fix the view when you record
	IR	4pcs IR light, Up to 10 Meters with Visible Face Detection
Two way radio	Talk back	Support two way radio between different devices
	Talk to platform	Support two way radio between device and platform
Lens	Lens angle	>120°
Alarm	Alarm input	Support alarm input and the alarm can be show in platform
Interface	USB	1x USB , for charging, communication with PC, upgrade OS, connect external camera etc.
Network	Protocol	RTSP
	3G/4G	built in 4G module (HSUPA/HSDPA/WCDMA/EVDO/TD-SCDMA/FDD-LTE/TDD-LTE)
	WiFi	802.11n/b/g , 2.4GHZ WiFi , AP
GPS	GPS	BDS/GPS/GLONASS , record location

Firmware	OSD	Display and record time, license ID, officer ID, location, speed
	Overwrite	Support
	Play back	Support play back, file listed by time and alarm
	Play speed	Support from 1/128 to 128
	Pre-recording	Off/5sec/10sec/20s
	Post-recording	Off/5sec/10sec/20s
	Dewarp	Support dewarp to make the picture more accurate and realistic
	Safe mode	Need password to enter Setting or Playback in safe mode
	Encryption	Encrypted video can be played in special player
	Log	Record power on/off, setting change, start record, alarm etc
Software	BFTD	Evidence management player software, manage multiple body cameras together, can also play the encrypted files, automatically download, upload, classify, edit, manage video and audio files to the upper management server
	CMSV6	Used for 4G/3G model only, support live video/live tracking/historical track
Upgrade	Firmware	Firmware can be upgrade though USB cable
Working condition	Protection	IP65
	Temperature	-30°C~50°C
	Humidity	-40% ~ 80%
Other	Time	synchronize with GPS, internet, PC, software tool. Authorized
	Storage	Built in 32GB TF card(available for 16 ~ 128GB)
	Dual bit stream	Two different bit stream for recording and live streaming via 4G/3G
	Default	Can set to default setting
	Indicator	Power,Record,Snap,Audio record
	Battery capacity	1950mAh x 2 Replaceable battery, keep NON-4G device running for about 8h ,keep 4G device running for about 3h ;Charging time is about 4h
	Backup battery	60mA ( keep device working during switching battery )
	Dimension	88.3*59.8*34.4 mm
	Weight	About 180g



# 4. Live Stream Video Platform

