RTK high-precision positioning 4G Body Worn Camera

ML301

Product Presentation



1. Feature

★ 3.0-inch large screen; dual-stream support; 2K video transmission; H.265 encoding; image stabilization

★ 4GB RAM, 64GB built-in storage (40GB allocated for storage); an additional memory card can be installed for dual-drive storage

★ 5000mAh Removable battery: 9+ hours of recording per battery at 720P 30fps; 8+ hours per battery at 1080P 30fps

★ RTK centimeter-level high-precision positioning

★ Data transfer via docking charger; the sub-camera zoom lens captures small text

★ Optional command & dispatch convergence platform: real-time video, intercom, electronic geofence, trajectory playback, cloud storage and SOS linked alarm; supports extended paid GB/T 28181, ONVIF, RTMP and other protocols; open WEB SDK

2. ID



3. 参数

Basic Configuration	Main Chip	UIS7863 Octa-Core Processor
	Operating System	Android™ 14 Intelligent Operating System
	Lens Module	4MP Wide-Angle, Low-Distortion, Large-Format Industrial Camera 5MP FF Rear Camera
	Memory	4 + 64GB Standard (Optional 4 + 256GB)
	SIM Card	Dual Nano SIM
	Indicator Lights	2 Infrared Lights, 1 White Light, Tri-Color Indicator Light, Red/Blue Strobe Light, Photosensitive Sensor
	Display + Touch Screen	3.0-inch IPS HD Screen (480 x 854), Narrow-Bezel Multi-Touch Capacitive Touch Screen
	Storage	Built-in TF Card, Supports up to 1TB
	Speaker	3W Waterproof Speaker
	Single BeiDou Module	Supported
	RTK (Single BeiDou)	Supported (Optional)
	Encryption	NARI TF Card Encryption
	Mic	Dual Microphones (Silicon Microphones) with Noise Cancellation
	Photosensitive Sensor	Available (Controls Automatic On/Off of Infrared Lights)
	Motion Sensor	Standard Acceleration Sensor G-sensor
	Vibration Motor	Not Supported
	4G Wireless Transmission (Full Netcom)	2G GSM: B2/B3/B5/B8 3G WCDMA: B1/B2/B3/B5/B8 4G TDD-LTE: B34/B38/B39/B40/B41 4G FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B25/B26/B28A B/B66
	WiFi	Dual-Band (2.4/5GHz), 802.11 a/b/g/n/ac
	Bluetooth/NFC	Supports Bluetooth 5.0 and NFC; Can Read ID Card Information
	Positioning	BDS/GPS/Galileo/GNSS (Single BeiDou Optional)

	USB Interface	Type-C Interface
	Headphone	Type-C Standard Headphone Jack; Supports External Mono Intercom Headphone (Digital Headphone)
	Buttons	Power, Volume +/-, PTT (Soft Intercom), SOS, Recording Key x2
	Dock Interface	Contact Connection; Supports Dock Charging and Data Transmission (Shared with Model 310)
	External Camera	Supports up to 1080P USB Protocol Camera (Camera Requires OTG Cable)
	Weight	To Be Determined
	Dimensions	Maximum Outer Dimensions 111.2 x 54 x 24.5 mm (Without Back Clip)
	Protection Level	Two-Shot Molding, Integrated Forming; Meets IP68; 30 Drops from 2 m on Any of 6 Sides with All Functions Normal
Photography	Photography Pixel	Up to 40 Megapixels, Multi-Level Adjustable, JPEG Format
	Continuous Shooting	Electronic Shutter, Supports Multiple Continuous Shooting Settings
	Distortion Correction	Distortion Less than 15% (Low-Distortion Lens)
	White Balance	Automatic, No Obvious Color Cast
Videography	Video Size	Maximum 2K 30FPS, MP4 Format
	Pre-/Post-Recording	Pre-recording 1080P up to 30s; 2K TBD; Post-recording up to 10 Minutes
	Video Snapshot	Supports Capturing Photos at the Same Resolution During Recording Without Interruption
	Compression Format	H.265
Functions	Overlay Information	Device Serial Number, Officer Information; Supports File Watermark (Year, Month, Day, Hour, Minute, Second, etc.) Platform Function
	Status Indicator Red/Yellow/Green	Standby: Status Indicator Light Green and Steady On Recording: Status Indicator Light Red and Flashing Audio Recording: Status Indicator Light Yellow and Flashing Charging While Powered On: Charging Indicator (Red on Some Units, Yellow on Others); Charging While Powered Off: Red

		Charging Completed: Charging Indicator Light Green * Indicator Light Status Can Be Customized as Required
	Video Playback	On-Device Playback Supports Touch Screen Progress Bar Dragging; No Fast-Forward or Rewind
	Key Marking	Can Mark Important Files Recorded by the Device
	Voice Broadcast	Supports TTS Voice Broadcast (Platform Optional)
	Voice Control	iFLYTEK (Platform Optional)
	Software Upgrade	Supports Online Upgrade
Battery	Battery Specification	Replaceable High-Voltage Battery: 5000mAh
	Built-in Battery	Built-in Small Battery: 57mAh; No Power Loss within 5 Minutes When Replacing the Battery
	Charging Time	5V/2A Fast Charging, Under 3 Hours; Supports Adapter/USB/Car Charging Modes
	Battery Life	One Fully Charged Battery Records 10+ Hours at Default Resolution, 6+ Hours with 4G Enabled
	Standby Time	Up to 100 Hours Standby in Flight Mode
Operating Environment	Operation	Operating Temperature -20 to 55°C, Operating Humidity 5% to 95%
	Storage	Storage Temperature -40 to 70°C, Storage Humidity 5% to 95%

4. Checklist

Standard packaging includes the following accessories; optional items shall be confirmed separately based on the order.

No.	Item Description	Qty	Unit	Remarks
1	Body Worn Camera	1	Set	
2	Power Adapter	1	Pcs	
3	Data Cable	1	Pcs	
4	Charging Cradle	1	Pcs	

No.	Item Description	Qty	Unit	Remarks
5	Shoulder Clip	1	Pcs	
6	User Manual	1	Copy	
7	Certificate of Conformity	1	Sheet	
8	Warranty Card	1	Sheet	
9	Packaging Box	1	Set	

Kindly Reminder

As product versions are continuously updated, if the above content differs from the actual product, please refer to the physical product; technical parameters shall be subject to the definitions set forth in the "Parameters" section of this specification; this information is for reference only. Optional features must be confirmed when placing the order; the actual configuration shall be subject to the order and the terms of the contract.