

DORLAND Industrial Intrinsically Safe Smart Body Worm Camera EE_C01

Beijing DORLAND System Control Technology Co., Ltd. recently released the intrinsically smart body worm camera EE_C01, adopted advanced technology with intrinsically safe circuit design, aggressive appearance, strong body. 4G HD single police video audio law enforcement recorder is highly integrated equipment specially developed for public security, armed police, urban management, industry and Commerce and other law enforcement departments. The device supports photographing, video recording, sound recording, local storage, infrared night vision, laser positioning and 3G / 4G wireless transmission. The video can be directly uploaded to the background through 4G / 3G / WiFi / AP network. Users can watch videos through mobile phones and PC to meet the recording requirements of various scenes.

In addition, built-in GPS and other functions suitable for outdoor construction and pipeline inspection. EE_C01 can also cooperate with OA office system, checking positioning system and data acquisition system and other applications etc. Especially EE_C01 is used in dangerous environment of the explosion, such as petroleum, chemical, pharmaceutical, oil depot, tank farm as well as the dangerous sites with combustible and explosive gas, which is convenient for users to dispatch communicate timely.

IP Grade: IP68

Explosion proof grade:

Ex ib IIC T4 Gb / Ex ibD 21 T130°C

Certification No.: CCRI 20.2138

OS: Android 8.1

Memory: 2GB+16GB

Storage Card: Micro-SD, up to 128G

CPU: MTK 64bit 8-core 2.0GHz

Cameras:

Front camera:2-5MP

Rear sub camera:13MP

Rear main camera:4MP

Lens wide angle: $\geq 135^\circ$ wide angle, horizontal angle of view 140°

Battery capacity: dual replaceable batteries, 2500mAh

Power supply: Support special adapter USB interface charging
and vehicle charging DC5V, 1.5A

Life time: The battery can be replaced, and the continuous
recording time of the two batteries ≥ 14 hours

Standby time: ≥ 48 hours

LCD: 3.1 inch TFT LCD



Ex Marking	Ex ib IIC T4 Gb / Ex ibD 21 T130°C	
Certificate No.	CCRI 20.2138	
IP Grade	IP68	
Basic information	Content	Remarks
Features		
Appearance	Candy bar phone	
Size	102.7x62.4x17.8mm	
Weight	175g	
Hardware		
Main board model	TBD	
Main board size	TBD	
GSM card	single , nano	
MTK chip	MTK 6762	
Network	2G/3G/4G, full frequency band	Default frequency band: mainland + Europe
Operating system	Android 8.1	
CPU	64-bit 8-core 2.0GHz processor	
Memory	2GB+16GB	
Data communication		
Bluetooth	support	
Wifi	support	2.4+5G
Reserved Serial port	NC (USB magnetic port(High priority)+OTG)	
PTT	Support software intercom (customer will provide APK by themselves)	When the PTT button is pressed, it will send voice information, and if it is not pressed, it can only answer voice information. (The headset should support PTT)
Headphone	support	
U disk function	support	
Memory card	support Micro-SD card (max 128G)	
Indicator light		
Blue and Red Warning Light	Support	
Working indicator	1. In standby mode, it lights green when there is no video, photo or recording	
	2. Bright red during video recording and taking pictures	
	3. Bright yellow during recording	
	4. The green light flashes when the battery is low	
Laser light	support (application scenario to be pending)	
Light sense	Feel the intensity of the light, when the light becomes dark, the infrared light will be turned on. when the light is bright, the infrared light will be	

	turned off.	
Infrared lights	one in each side, Works when the light goes dark and the video changes to black and white	
White light	In the power-on state, long press the "photo button" to turn on/off the white light, which can be used as a lighting and fill light	
Others		
GPS	support	Simultaneously support
AGPS	support	
GLONASS	support	
Beidou	support(built-in platform)	
NFC	support	
Free-drop	≥3000mm	
Power	Support special adapter USB interface charging and vehicle charging DC5V, 1.5A	
Battery life	The battery can be replaced, and the continuous recording time of the two batteries ≥14h	
Standby time	≥48h	
Interface	Mini USB2.0	
Product parameters		
Front camera	2M-5M	
Secondary rear camera	13M	
Rear camera	4M	
Image sensor	1/3 inch color CMOS image sensor	
Wide-angle lens	≥135° degree wide angle, horizontal viewing 140°	
photo	4M pixels; 8M pixels; 16M pixels; 32 M pixels; JPG format	
Video resolution	1280×720 (30 frames), 1920×1080 (25 frames)	
Video format	MP4	
Voice Recording format	WAV	
Live resolution	1280*720, 720*480	
LCD	HD 3.1 inch TFT LCD	
TP	G+F	
Light compensation	LED white light compensation, infrared night vision, can see the facial expression from 5 meters away, can see the human silhouette from 10 meters.	
Infrared night vision	Automatic infrared night vision on/off, Automatic switching of filters	
Data interface	Mini USB, SIM, TF, magnetic port, headphones	

Battery	Dual replaceable batteries, 2500mAh	
Continuous working time	14 hours	
4G network	Full frequency	
Completely charge time	≤ 4 hours	
WIFI	802.11b/g , 2.4GHz+5GHz, with AP hotspots and client capabilities	
GPS/Beidou positioning	Built-in GPS real-time positioning, can support Beidou positioning, can synchronize satellite time	
Protocol	Support ONVIF protocol and 28181 protocol, etc.	
External devices	Intercom headset can be connected	
Battery bay	The device is equipped with a special battery bay, which can be used for charging and data transmission. The base can charge smart body worm camera and the backup battery at the same time	
Emergency alarm	Press and hold the corresponding key, and the device will give an alarm	
Working environment		
Operating temperature	*-20°C to 60°C	
Working humidity	Humidity is less than 90%	
Protection class	IP68	
Keyboard		
Power button	Short press---wake up the screen	When the device is powered off: no action At power-on state: light on/off the LCD screen
	Long press---Turn on/off the device	When the device is turned off: long press (press for 3 seconds): turn on the device; At power-on state: long press (press for 3 seconds): turn off the device;
PTT key	Short press--Intercom	No action: answer; hold: speak
Video key	Short press--video	At power-on state: start/stop taking video; when the screen is closed, the screen can be lighted and start to take video at the same time;
		When the device is off: turn it on, then start taking video directly (A key to video function)
SOS key	Long press---alarm	When the 4G function is turned on, send an alarm message to the software background;
Voice recording key	Short press-record	At power-on state: start/stop voice recording.

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		Wake up the screen when the screen is off and start voice recording at the same time. When the keyboard pops up, you can move the cursor left.
Photo key	Short press-take photo	When the device is on: it will take a piece of picture; when the screen is off, you can wake up the screen and start taking pictures at the same time. When the keyboard pops up, you can move the cursor right.
	Long press-white light	When the device is on, long press the "photo key" to turn on/off the white light
Positioning key		Functions to be pending
4G key		Functions to be pending
Multi-function interface	Connect external device	Connect headphones, external cameras, etc.
SIM	SIM card	Insert SIM card to realize real-time information transmission
USB	USB Connecting	Data transmission interface, charging interface.
keypad backlighting	White	



EE_C01

 170021131268	
CONFORMITY CERTIFICATE OF EXPLOSION-PROOF	
Certificate No.: CCRI 20.2138	
Company:	Beijing Dorland System Control Tech Co.,Ltd
Address:	Room 807,Yingu Plaza, North 4th Ring West Road,Haidian District, Beijing 100080,P.R.China
Name of Product:	Industrial Intrinsically Safe Smart Body Worn Camera
Type of Product:	EE_C01
Marking:	Ex ib II C T4 Gb / Ex ibD 21 T130°C
Technical Documents:	Q/DLM 003-2020
Drawing No.:	EE_C01-00
Note(s):	1.Power supply by dual protection rechargeable lithiumion battery with rated voltage 3.8VDC, nominal napacity:2500mAh; 2.Ambient temperature range:-20°C≤Ta≤+60°C; 3. IP code:IP68 @1.5m,30min.
By verifying the drawings and technical documents and checking samples,the product complies with the following standards currently valid in P.R.China: GB 3836.1-2010, GB 3836.4-2010, GB/T 4208-2017 GB 12476.1-2013, GB 12476.4-2010	
Date of Issue:	6.29.2020
Valid till:	6.28.2025
Authorize:	 
China Coal Research Institute Testing Center 	
(The test center of the national safety production of mining equipment and mining oil in Beijing)	
Note: This certificate is only valid for the products that are in accord with samples tested and verified. Center Add: No.5 Qingniangou Road,Hepingli,Beijing,100013 Tel/fax: 010-89268018 The query url of Explosion-proof Certificate: http://www.ccritc.com.cn/Home	