Beijing Dorland System Control Technology Co., Ltd.
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DORLAND
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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. 5G 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 4G/5G wireless transmission. The video can be directly uploaded to the background through 5G / 4G / 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 R（11.0）

Memory: 4GB RAM+64GB ROM

Storage Card: Micro-SD, up to 512G

CPU: MT6833 eight core, two A76 up to 2.0GHz, six A55 up to 2.0GHz MT6833P

Cameras: Front camera:5MP

Rear sub camera:13MP

Rear main camera:4MP

Battery capacity: replaceable batteries, 2500mAh

LCD: 3.1 inch 480 * 800; 2.4 inch QVGA IPS

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Explosion proof parameters		
Marking	Ex ib IIC T4 Gb/Ex ibD 21 T130℃	
Certificate No.	CCRI 20.2138	
IP Grade	IP68	
Basic information		
Weight	160g	
Type	Supporting public network intercom terminals	
Size	3.1 inches 480 * 800 IPS	
Screen	Multi touch capacitive screen	
Resolution	480*800	
SIM card type	Supports nano Sim cards	
Network	Network wireless supports 2G/3G/4G/5G networks, supports 4 operators and 8 network formats, with full frequency band coverage	
	Default frequency band: mainland+Europe	
	GSM(B2/3/5/8) WCDMA B1/2/5/8 TD-S(B34/39) TDD(B34/39/40/41) FDD,B1/2/3/5/7/8/28AB NR:n1n28n41n77n78n79	
operating system	Android Q （11.0）	
Main control platform	MT6833 eight core, two A76 up to 2.0GHz, six A55 up to 2.0GHz MT6833P	
Body memory	4GB RAM+64GB ROM	
Memory card	Supports Micro SD cards (up to 512G)	
Battery capacity	3.8V lithium polymer, capacity 2500mAh	removable
Full charging time	≤ 2 hours	
Continuous working hours	Greater than 9 hours	
Standby time	≥ 48h	
Base/seat charging	/	
Product characteristics		
GPS	GPS/Beidou/GLONASS/Galileo, support (four out of four)	support AGPS
Charging method	Direct charging	
Fast charging	Supports 2A fast charging	
Mic noise reduction function	Choose a strong anti-interference and high sensitivity microphone to effectively suppress environmental noise and maintain clear speech in harsh environments	
Sensor	Optical distance sensor, gravity sensor, geomagnetic sensor, acceleration sensor, pedometer, gyroscope, electronic compass	
NFC	Support	
Work indicator light	Support	

Intercom earphones	Support for TYPE C	
Protection level	Supports IP68	
working temperature	-30 ℃ -+50 ℃	
Storage temperature	-40 ℃ -+70 ℃	
Working humidity	Humidity less than 90%	
Camera function		
Front camera	5 megapixel/FF	
Rear camera	4 megapixel FF+13 megapixel AF	main camera 4 MP
image sensor	1/2.8 inch color CMOS image sensor	
Wide angle of lens	Field of view angle 117 ° Horizontal angle 95 °	
photograph	4M pixels, 8M, 13M pixels, JPG format	
Recording resolution	one thousand two hundred and eighty × 720 (30 frames); one thousand nine hundred and twenty × 1080 (30 frames); 2K (30 frames)	
Video recording format	MP4	
Recording audio format	WAV	
Live streaming resolution	1280 x 720720x480,	
LCD display screen	3.1 inch 480 * 800; 2.4 inch QVGA IPS	
TP	Panda glass cover plate	
Night light compensation	LED white light compensation, infrared night vision, 5 meters for clear facial expressions, and 10 meters for clear human contours	
Infrared night vision	Automatic infrared night vision on/off, filter automatic switching	
Pilot lamp		
Blue red warning light	Support	
Work indicator light	1. In standby mode, when not recording, taking photos, or recording, turn on green; 2. Bright red during recording and photography 3. Bright yellow during recording 4. Green light flashes when battery is low	
Laser lamp	Not supported	
Photosensitizer	Feel the strength of the light and turn on the infrared light when it becomes dim; Turn off the infrared light when the light turns on;	
Infrared lamp	1 on the left and 1 on the right, working when the light dims and the video turns black and white;	USB disk
White light	When turned on, long press and hold the "take photo button" to turn on/off the white light, which can be used as a lighting and fill light	Memoriy Card
Data Function		
PTT key	Support soft intercom (APK provided by the customer). When pressing the PTT key, it can be sent by voice, and if not on time, it can only be answered by voice.	
Wi Fi Features	Supports 2.4G/5.0G dual mode WIFI，WIFI 802.11 a/b/g/n/ac	

data interface	TYPE-C, SIM, TF, TYPE-C interface external camera, TYPE-C interface headphones	single SIM
USB drive function	Supports USB2.0	
USB interface	Support Type-C standard interface	
Bluetooth transmission	Support BT 5.1	Supports Bluetooth intercom headphones
Reserved serial port	Supports high-precision positioning	Reserved serial port interface

Key functions		
Power button	Short press - light up the screen	When turned off: no action; when turned on: LCD screen display on/off
	Long press - switch on/off	When in shutdown mode: long press (press for 3 seconds): turn on; when in startup mode: long press (press for 3 seconds): turn off
PTT key	Short press - intercom	Not pressing: answer; Hold: Speak
record button	Short press - Record	When turned on: start/stop recording; when resting, the screen can light up and start recording at the same time; when turned off: turn on and start recording directly (one click recording function)
SOS button	Long press - alarm	When activating the 4G function, send alarm information to the software backend
record button	Long press - Record	When turned on, start/stop recording; when resting, light up the screen and start recording; when the keyboard pops up, select to move the cursor to the left
Camera button	Short press - take a photo	When turned on: take a photo; when resting, light up the screen and start taking photos; when the keyboard pops up, select the cursor to move to the right
	Long press - turn on/off the flash	When turned on, long press and hold the "take photo button" to turn on/off the white light

CNAS 检测 TESTING CNAS L0738

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CCRITC

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 ⅡC T4 Gb / Ex ibD 21 T130℃**
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:

煤炭科学技术研究院有限公司检测中心 检测检验专用章

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