

Dorland Industrial Intrinsically Safe 5k Digital Card Camera EX Card Camera 02

DORLAND System Control Technology Co., Ltd. recently launched Dorland Industrial Intrinsically Safe 5k Digital Card Camera EX Card Camera 02, adopting 5K image quality, easy selfie, supporting electronic stabilization, built-in 6-axis gyroscope, supporting autofocus, and presenting distant and close scenes clearly.

In addition, we also suitable for outdoor construction and pipeline inspection, which can cooperate with OA office system, patrol positioning system and data acquisition system And other applications. It is especially suitable for hazardous explosion environment, such as petroleum, chemical, pharmaceutical, oil depot, tank farm and other dangerous places with combustibile and explosive gas, which is convenient for users to communicate with production and scheduling in time.

Ex Marking: Ex ic IIC T4 Gc / Ex ic IIIC T130°C Dc

Certificate No.: SYEx24.01168X

IP Grade: IP20

**Autofocus

**5K 5120 * 2880 (30FPS)

**Up to 48MP interpolation

**High brightness white light for supplementary lighting

**WiFi control

**IPS display screen

**Supports HDMI output

**Support for external microphones

**Supports electronic stabilization with built-in 6-axis gyroscope



Certificate parameters		
Ex Marking	Ex ic IIC T4 Gc / Ex ic IIIC T130°C Dc	
Certificate No.	SYEx24.01168X	
IP Grade	IP20	
Specification parameters		
Characteristic	**Autofocus **5K 5120 * 2880 (30FPS) **Up to 48MP interpolation **High brightness white light for supplementary lighting **WiFi control **IPS display screen **Supports HDMI output **Support for external microphones **Supports electronic stabilization with built-in 6-axis gyroscope	
Hot Shoe Function	External Fill Light	
Image Sensor	12 Megapixel CMOS Sensor (Up to 48MP Interpolation)	
Image Resolution	48M (8000 × 6000); 36M (6880 × 5160); 24M (5600 × 4200); 20M (5120 × 3840); 16M (4640 × 3480); 12M (4032 × 3024); 8M (3264 × 2448); 5M (2592 × 1944)	
Video Resolution	5K 30FPS; 4K 30FPS; 2.7K 30FPS; 1080P120FPS; 1080P 60FPS; 1080P 30FPS; 720P240FPS; 720P 120FPS; 720P 60FPS; 720P 30FPS	
Capacity (32GB)	About 3200 pictures(48M, 8000*6000)	
	About 4300 pictures(36M, 6880*5160)	
	About 18500 pictures(8M, 3264*2448)	
	Recording: 5K 30FPS, 1.5 Hours Video Length in Ideal Situation	
	Recording: 4K 30FPS, 2 Hours Video Length in Ideal Situation	
File Format	Pictrue	JPG
	Video	MP4
Screen	3.5 Inches 16: 9 IPS Screen	
Memory Card	Flash Memory: N / A	
	SD Card Slot(Max 256GB), Support SDXC C10 U1	
High Speed Cache	2Gb DDR3	
Output	USB	USB Mini-B 2.0
	Power	1500mAh, 3.7VDC
	Camera Lens	AF (F/2.2 f=3.37mm)
	Expanded	SD Card Slot(Max 256GB), Support SDXC C10 U1
Operation	Selfie Timer	Close / 2 Sec / 5 Sec / 10 Sec

	LED Fill Light	Support
	Exposure	Exposure compensation: ± 2.0 EV
	Zoom	16x Digital Zoom
	Auto Power Off	Close / 1 Min / 3 Mins / 5 Mins
	Date Setting	Adjustable with date stamp
	Metering Mode	Center / Multi / Spot
	White Balance	Auto / Daylight / Cloudy / Tungsten / Fluorescent (H / L)
	Flash Mode	Support
Shooting Distance		10cm to infinity
Shutter Speed		1/10Sec-1 / 3840Sec
Computer recommendation system configuration	PC System	Windows XP、Windows Vista、Windows7、 Windows 8 、Windows 10、Windows 11、Mac 10.2
	CPU	Intel Pentium 2.8GHz CPU or higher(3GHz recommended)
	SDRAM RAM	At least 1GB of RAM or higher(2GB recommended)
	Display Card	At least 64MB or greater video card
	USB	Standard USB 1.1 port or higher
	PC Accessibility	Note: By USB port camera can transfer file with PC, and the USB 2.0 Port can speed up the data transmission.
Battery life		Taking Video ≤ 80 mins, taking photos ≤ 120 mins
Language		English, Simplified Chinese, Traditional Chinese, Japanese, Korean, French, German, Italian, Spanish, Portuguese, Russian, Polish, Vietnamese
Accessories		User's manual*1, USB cable*1, HDMI cable*1, Charger*1, Camera Bag*1, Lithium battery*1, Wide Len*1, Lens Cap*1, Glasses Cloth*1, Lanyard*1
Net Weight		370g
Product Size		125*85*62mm





Explosion-proof electrical apparatus



Conformity certificate of Explosion-proof

Certificate No. SYEx24. 01168X

Manufacturer	Beijing Dorland System Control Technology Co. Ltd.	
Address	11-A1, 10th Floor, Building 2, Yard 1, Wangzhuang Road, Haidian District, Beijing	
Factory	Beijing Dorland System Control Technology Co. Ltd.	
Address	11-A1, 10th Floor, Building 2, Yard 1, Wangzhuang Road, Haidian District, Beijing	
Name of product	Intrinsically safe industrial grade explosion-proof camera	
Type specification	EX Card Camera 02	
Ex-marking	Ex ic IIC T4 Gc; Ex ic IIIC T130°C Dc	

Product standards Q/DLM013-2023 Drawing No. EX Card Camera 02 ZZ01

1. The product can only use Ex battery 082 lithium-ion battery produced by Beijing Dorland System Control Technology Co. Ltd. (DC3. 7V, 1500mAh).

Note 2. It is strictly prohibited to disassemble, charge and use the socket in dangerous places.

3. Nominal voltage: DC3. 7V.

According to the above examination of product designs drawings and technical documents, and sample inspection, it has been confirmed that the following standards are met:

GB/T 3836.1-2021	Explosive atmospheres-Part 1: Equipment-General requirements
GB/T 3836.4-2021	Explosive atmospheres-Part 4: Equipment Protection by intrinsic safety "i"

Approved by

Date of issue 2024-03-16

Valid date 2029-03-15

Machinery Industry Product Quality Supervisory and Test Center of
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Note: This certificate is valid only for products which are in agreement with the review and approval documents and test samples.