

## **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 combustible and explosive gas, which is convenient for users to communicate with production and scheduling in time.

Ex Marking: Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db

Certificate No.: CLEx25.7874

IP Grade: IP54



\*\*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

www.donanda-tech.com

| Certificate parameters   |                |                                                                                                                                                                                                                                                                                                                   |
|--------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ex-marking               |                | Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db                                                                                                                                                                                                                                                                             |
| Certificate NO.          |                | CLEx25.7874                                                                                                                                                                                                                                                                                                       |
| IP Grade                 |                | IP54                                                                                                                                                                                                                                                                                                              |
| Specification parameters |                |                                                                                                                                                                                                                                                                                                                   |
| Characteristic           |                | **Autofocus<br>**5K 5120 * 2880 (30FPS)<br>**Up to 48MP interpolation<br>**High brightness white light for supplementary lighting<br>**WiFi control<br>**IPS display screen<br>**Supports HDMI output<br>**Support for external microphones<br>**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);<br>24M (5600 × 4200); 20M (5120 × 3840);<br>16M (4640 × 3480);12M (4032 × 3024);<br>8M (3264 × 2448);5M (2592 × 1944)                                                                                                                                                       |
| Video Resolution         |                | 5K 30FPS; 4K 30FPS;2.7K 30FPS;1080P120FPS;<br>1080P 60FPS; 1080P 30FPS;720P240FPS;<br>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                                                                                                                                                                                                                                                      |
|                          |                | Recording: 720P 30FPS, 5 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                                                                                                                                                                                                                                                                                                           |

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





防爆电气设备  
Electrical Apparatus for Explosive Atmospheres

# 防爆合格证

CERTIFICATE OF CONFORMITY

证书编号 No: CLEx25.7874

北京德兰系统控制技术有限公司

制 造 商  
Manufacturer

Beijing Dorland System Control Technology Co., Ltd.  
地址: 北京市海淀区王庄路1号院2号楼10层11-A1  
Address: 11-A1, 10th Floor, Building 2, Yard 1, Wangzhuang Road, Haidian District, Beijing

产 品 名 称  
Name of Product

本安型防爆数码相机  
Intrinsically safe explosion-proof digital camera

型 号 规 格  
Type Specification

EX Card Camera02 DC3.7V

防 爆 标 志  
Ex-Marking

Ex ib IIC T4 Gb; Ex ib IIIC T130°C Db

产 品 标 准  
Product Standards

Q/DLM 013-2023

总 装 图 号  
Drawing No

EX Card Camera 02 ZZ01

经对上述产品图样及技术文件的审查和样品检验, 确认符合下列标准:

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB/T3836.1-2021 爆炸性环境 第1部分: 设备 通用要求

Explosive atmospheres-Part 1: Equipment-General requirements

GB/T3836.4-2021 爆炸性环境 第4部分: 由本质安全型“i”保护的的设备

Explosive atmospheres-Part 4: Equipment protection by intrinsic safety “i”

说 明 事 项  
Explanation

1. 外壳防护等级 Enclosure Protection Rating: IP54;
2. 产品采用1节 Ex battery 082 3.7V 1500mAh 锂电池供电, 具有保护电路 The product is powered by one Ex battery 082 3.7V 1500mAh lithium battery with a protection circuit;
3. 严禁在危险场所对电池进行充电、更换和拆卸 Charging, replacing, or removing the battery in hazardous areas is strictly prohibited;
4. 射频发射功率不大于 2W; RF transmission power shall not exceed 2W;
5. 在粉尘环境使用时, 应采取措施避免外壳表面粉尘覆盖 When used in dusty environments, measures should be taken to avoid dust accumulation on the enclosure surface.

\*\*\*\*

批 准  
Approved by

刘畅

发 证 日 期

Date of issue

2025-09-01

有 效 期 至

Valid date

2030-08-31

本证书仅对符合送检样品的产品有效, 证书持有人有责任保证产品符合标准规定。  
This certificate is only valid for the products which identify with the sample(s) tested and verify certificate have the responsibility to ensure the products complying with relevant standard(s).

地址: 中国·辽宁 沈阳经济技术开发区细河四北街6号

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信息页





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