Dorland System Control Tech Co., Ltd.
Room1107, Tower B, Tsinghua Tongfang Technology Square, No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China
Tel: +86-10-62198496
Tel: +86-10-62164681
www.dorland-tech.com
tian@dorland.com.cn

DORLAND
www.dorland-tech.com

Dorland Intrinsically Safe Explosion-proof Digital Camera
EX Card Camera 02 Max

DORLAND System Control Technology Co., Ltd. recently launched Intrinsically Safe Explosion-proof Digital Card Camera EX Card Camera 02 Max, which uses front and rear dual camera lenses (64 million pixels) for easy selfies, supports EIS electronic image stabilization, supports autofocus, and presents clear near and far scenes.

In addition, it is also suitable for outdoor construction, pipeline inspection, etc. It can be used in conjunction with various applications such as OA office systems, inspection positioning systems, data collection systems, etc. Especially suitable for harsh environments with hazardous explosions, such as petroleum, chemical, pharmaceutical, oil depots, tank farms, and other hazardous areas with flammable and explosive gases, facilitating timely communication between users, production, and scheduling.

Ex-Marking: Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db

Certificate No.: CLEx25.7874

IP Grade: IP54



**8X optical variable lens

**Video resolution (5K/25FPS)

**Front and rear dual camera lenses
(64 million pixels)

**720 * 1280 IPS high-definition Capacitive touch screen, supporting dual finger zoom

**EIS Electronic Anti Shake

**Manual zoom and focus of lens ring

**Custom Area Focusing

**Night vision full-color

**Auto focus

**WiFi wireless connection

Certificate parameters		
Ex-Marking		Ex ib IIC T4 Gb/ Ex ib IIIC T130℃ Db
Certificate No.		CLEx25.7874
IP Grade		IP54
Specification parameters		
Feature		**8X optical variable lens **Video resolution (5K/25FPS) **Front and rear dual camera lenses (64 million pixels) **720 * 1280 IPS high-definition capacitive touch screen, supporting dual finger zoom **EIS Electronic Anti Shake **Manual zoom and focus of lens ring **Custom Area Focusing **Night vision full-color **Auto focus **WiFi wireless connection
image resolution		64M; 48M; 36M; 24M; 20M; 16M; 12M; 8M
Video resolution		5K25fps; 4K/30fps; 2.7K/30fps; 1080P/60fps; 1080P/30fps; 720P/60fps
Front image sensor	**pixel**	8 million pixel CMOS sensor (up to 64MP interpolation)
	size	1/2.8 inch
Rear image sensor	**pixel**	13 million pixel CMOS sensor (up to 64MP interpolation)
	size	1/3.06 inch
Front lens parameters	**Lens Type**	9G4P
	perspective	H (horizontal): 56.59 ° (W)~7.03 ° (T) V (vertical): 32.09 ° (W)~4.00 ° (T) D (diagonal): 64.51 ° (W)~8.03 ° (T)
	parameter	Ff(F/1.8-2.6, f=5.76-46.09mm)
	focusing distance	0.2m(W)-0.4m(T)
Rear camera parameters	**Lens Type**	7P
	perspective	73.8° [(D73.8,H62,V48.5)°]
	parameter	Ff(F/2.2, f=3.37mm)
	focusing distance	0.5m-0.8m
Display screen	**panel type**	IPS High Definition
	Display screen size	3.6 inches
	Display screen resolution	720*1280
Touch screen	**Capacitive touch screen**	support

Battery	**battery capacity**	3.7V 1500mAh
	endurance	Video recording for 48 minutes
Main functions	**Auto focus function**	support
	PC auxiliary functions	webcam
Supplementary lighting method	**Local fill light type**	LED flash
	External extended flash	support
Auxiliary focus light	**LED lights**	Close/Automatic
file format	**photo**	JPG
	video	MP4
memory card	**Cache itself**	8Gb DDR4
	Local capacity	Flash memory: N/A
	Maximum expansion capacity	External storage: Single card slot: TF card slot (maximum 256GB)
interface	**USB**	Type-C USB
	HDMI	support
	MIC	Support (3.5mm interface)
	memory card	TF card slot (maximum 256GB)
	Tripod mounting hole	1/4 inch standard screw hole
Operation Menu	**functional mode**	Normal photography, portrait mode, landscape mode, creative filters, normal recording, slow motion recording, time-lapse recording, night mode
	Timed photo	Off/3-second timer/5-second timer/10 second timer
	Continuous shooting	3 sheets/5 sheets/10 sheets
	Exposure compensation	Manual: ± 2.0EV
	focusing	8X optical zoom
	Focusing method	Manual Focus/Single Focus/Auto Focus
	sharpness	Strong/Standard/Gentle
	Auto Shutdown	Off/5 minutes/15 minutes/30 minutes

	ISO	Automatic/100/200/400/800/1600/3200/6400
	shutter time	Automatic, 1/30, 1/60, 1/120, 1/240, 1/480
	Date setting	Adjustable date stamp
	image quality	Low/Medium/High
	white balance	Automatic/Sunlight/Cloudy/Incandescent/Fluorescent
	light metering	Center metering/Average metering/Spot metering
	fill light	Off/Always On
Computer recommendation system configuration	**PC system**	Win7/Win8/Win 10/win11
	USB	Standard USB 2.0 port or higher
shutter speed		1/25Sec-1/480Sec
language		multiple languages
Unit Weight		415g (including battery), 390g (excluding battery)
Product dimensions		126.1*83.9*73.2mm









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中国认可
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检测
TESTING
CNAS L0136

防 爆 电 气 设 备
Electrical Apparatus for Explosive Atmospheres

防 爆 合 格 证
CERTIFICATE OF CONFORMITY

沈阳产品质量监督检验院
Shenyang Product Quality Supervision And Inspection Institute
(国家低压防爆电器质量检验检测中心(辽宁))
(National quality inspection and testing center for low voltage explosion-proof electrical apparatus (Liaoning))

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CLEx

防 爆 电 气 设 备
Electrical Apparatus for Explosive Atmospheres

防 爆 合 格 证

CERTIFICATE OF CONFORMITY

证书编号 №：CLEx25.7874

制 造 商 Manufacturer	北京德兰系统控制技术有限公司 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℃ Db
产 品 标 准 Product Standards	Q/DLM 013-2023
总 装 图 号 Drawing №	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 battery082 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。
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批 准 Approved by

沈阳产品质量监督检验院
Shen Yang Product Quality Supervision And Inspection Institute
国家低压防爆电器质量检验检测中心（辽宁）
National quality inspection and testing center for low voltage explosion-proof electrical apparatus（Liaoning）

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
ADD：No.6, Xihe 4 North Street, Shenyang Economic & technological Development Area, Liaoning, China
电话 TEL：024-62832918 62832910 邮编 P.C：110027
E-mail：gjdyfb@163.com http://dyfb.syzjy.net

10142091599

2401783

信息页