

Dorland Intrinsically Safe Industrial Explosion-proof Camera EX Camera 03

Dorland System Control Tech Co., Ltd. has recently launched the intrinsically safe industrial explosion-proof camera EX Camera 03, which features 72 million pixels, a 10x optical zoom lens and 2X digital zoom processor, built-in anti shake, smooth and clear dynamic shooting, precise autofocus, clear presentation of near and far scenes, and supports remote control shooting function.

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°C Db

Certificate No.: CLEx25.4382

IP Grade: IP54

Feature:

10X optical zoom lens

2X digital zoom

SONY 13 million high sensitivity CMOS sensor

2.88-inch IPS display screen

Support setting multiple languages

Built in xenon flash, providing auxiliary lighting

Support cold shoe interface

Support remote control

Support electronic image stabilization

Supporting APP, supporting installation on iOS and Android systems

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Certificate parameters		
Ex-Marking		Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db
Certificate No.		CLEx25.4382
IP Grade		IP54
Specification parameters		
Image sensor type		SONY 13 million high sensitivity CMOS sensor
LCD display screen		2.88 inch IPS 4:3 resolution 640 * 480
Lens	Lens model	10X optical zoom lens
	Focal length /aperture	f=4.9~49mm, Fno. 2.8~3.1
	View	7.2~66.6 °
	Focusing range	wide: 0.1m~INF Tele: 1.5m~INF
Zoom		10X
Digital zoom		2X
Photo	Photo format	JPEG
	Photo resolution	72M, 48M, 24M, 13M, 5M
Video	Video format	MP4(H.264)
	Video resolution	UHD(4K):2880*2160(DAR 24fps) QHD(2K):2560*1440(30fps) FHD(1080P):1920*1080(60fps) FHD(1080P):1920*1080(30fps) HD(720P):1280*720(60fps)
Wifi	APP	Supporting APP: VD CAM supports iOS, android
	Stream resolution	640*360 (30fps)
	Stream format	H.264
Language		English/German/French/Spanish/Italian/Türkiye/Russian/Portuguese/Dutch/Simplified Chinese/Traditional Chinese/Japanese/Polish
Metering		AIAE (Average Metering)
		center weighted
		Single point automatic metering
Focusing method		AF/MF
Microphone		built-in
Speaker		built-in
Electronic anti shake		built-in
Photography flash		Built in xenon flash
AF Assist Lamp		built-in
Pilot lamp		2 lights (charging/status)
Cold boot interface		support
Remote control function		support

Output interface	HDMI	Mini C Type: HDMI V1.3
	USB	TYPE-C
	3.5 Earphone interface	External microphone
	2.5 Earphone interface	External wire control
Other features		Face priority
		time-lapse
		Selfie (timed for 2 seconds, 5 seconds, 10 seconds)
		Support screen flipping
Button		Top: Video recording, DISP, camera, W/T knob, mode knob, power button
Mode/dial function item		Front: menu button, delete, replay button, AE/AF LOCK, Left (macro shortcut), right (flash shortcut), up key (EV+shortcut), down key (selfie shortcut), confirm key
Storage memory card		Intelligent scene mode, filter mode, manual exposure, aperture priority, shutter priority, program automatic exposure, scene mode, continuous shooting mode
Battery		Lithium Battery 3.7V 1450mAh
Dimensions		123*125*100mm
Weight		600g
Operation temperature		0~40 °C
work system		windows XP/VISTA/7/10



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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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防 爆 电 气 设 备
Electrical Apparatus for Explosive Atmospheres

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CERTIFICATE OF CONFORMITY

证书编号 No: **CLEx25.4382**

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 A1, 10th Floor, Building 2, Yard 1, Wangzhuang Road, Haidian District, Beijing
产 品 名 称 Name of Product	本安型工业级防爆相机 Intrinsically safe industrial explosion-proof camera
型 号 规 格 Type Specification	EX Camera 03 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 005-2025
总 装 图 号 Drawing No	EX Camera 03 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
Explosive atmospheres-Part 4: Equipment protection by intrinsic safety “i”

说 明 事 项
Explanation

1. 外壳防护等级 Degree of protection of enclosure: IP54;
2. 本产品由1节3.7V Ex battery099 锂离子电池供电;
This product is powered by a 3.7V Ex battery099 lithium-ion battery pack;
3. 严禁在危险场所对电池进行充电、更换和拆卸。
It is strictly forbidden to charge, replace or disassemble the battery in hazardous areas.

批 准
Approved by

刘畅

发 证 日 期
Date of issue

2025年06月10日

有 效 期 至
Valid date

2030年06月09日

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).

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