

## **DORLAND Industrial high protection explosion-proof camera**

### **Camera EX05 (ATEX)**

DORLAND System Control Technology Co., Ltd. recently launched Industrial high protection explosion-proof camera Camera EX05, which adopts 13 million pixels, has a digital zoom 18X processor, precise three focusing methods, 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.

ATEX marking: II 3G Ex ic IIC T4 Gc/II 3D Ex ic IIIC T135°C Dc/IP68

Certificate No.: ECM 25 ATEX-B WU26

IP Grade: IP68 (5m underwater, 30min)

#### **Feature:**

High protection level for 5 meters and 30 minutes underwater

18X digital zoom

13 million image sensor

2.88-inch main screen+1.44-inch IPS display screen

2500mAh high-capacity explosion-proof battery

Support setting multiple languages

Built in LED fill light







Built in SOS flashing light

Built in automatic shutdown and automatic screensaver mode



Certificate parameters		
ATEX marking	II 3G Ex ic IIC T4 Gc/II 3D Ex ic IIIC T135°C Dc/IP68	
Certificate No.	ECM 25 ATEX-B WU26	
IP Grade	IP68 (5m underwater, 30min)	
	High protection and explosion-proof level (waterproof, dustproof, anti drop, anti impact, explosion-proof)	
Hardware specifications		
Image sensor Type		13 million/MX258/4224 * 3200
Main chip (DSP) Model		V39
Lens parameters	Type	AF lens
	Aperture	F/2.2
	Effective Focal Length	f=2.0mm
	AF focusing	Supports over 10CM
	output signal	YUV/YcbCr/RGB
	Color difference count	24 bit true color
	angle	73°
	Chip size	1/3.06 inch
	distortion	≦ 1%
	focus range	1.8M~infinity
Display	size	2.88+1.44" IPS
	resolution	480 * 640 large screen/128 * 128 small screen
LED fill light	support	<1.5M
Storage medium	built-in	SPI
	External storage	memory card
Interface	USB	TYPE-C
	WIFI connection	/
	memory card slot	support
Key	power button	Continuous shooting/recording/flash/deletion
	Second level camera button	confirm button
	SOS key	Menu key
	Front and rear screen switch button	Replay key
	Zoom in/out key	/
Memory card capacity		Maximum support for 128GB
Microphone		built-in
Speaker		built-in

Software parameters		
File format	Video	.MOV
	Take a photo	.JPG
Photo	Resolution	3/5/8/12/20/24/32/48/64/70M
Video	Resolution	8K/15 6K/25 5K/30 4K/60 4K/60 2.7K/30 FHD1080/60 1080/30 720/60 720/30
Video Recording Mode		Regular recording/time-lapse recording/loop recording
Photo Mode		support
Digital zoom		Digital zoom 18X
Language		English/Japanese/German/Simplified Chinese/Traditional Chinese/French/Italian/Spanish/Korean/Russian
Date and time		Year/Month/Day/Hour/Minute
Focusing method		Fully automatic/semi-automatic/fixed focus
Auto Shutdown		Off/3/5/8 minutes
Auto Screen Saver		Off/60/90/120S
Horn sound		Close/Low/Medium/High
Brightness level		Off/Auto/Highlight/Always On
Optical frequency		50/60HZ
Format		support
Factory settings		support
Version Information		support
Timestamp watermark		Close/Date/Date and Time
Exposure		-3.0EV~+3.0EV
White balance		automatic
image quality		Ultra high picture quality/High picture quality/Normal
Sharpness		Sharp/Normal/Soft
shooting effect		automatic
Saturation		High/Normal/Low
Sensitivity		Automatic/100/200/400
Debounce		none
Scheduled shooting		Off/5/10/20s
Face Detection		none
Smiling face photo		none
Burst shot		Triple burst/Five burst/Single shot
Photography scene		automatic
Software application		
Software		PC Mode/Removable Disk

System requirements	
Computing system requirements	Win XP/Vista/Win7 and above MAC (OS 10.4.11 only supports MSDC) 6K, 8K video: It is recommended to use Intel Core I5 9th generation or AMD 7 series or above CPUs; It is recommended to use DDR4 or DDR5 with at least 16GB of memory; Hard drives use high-speed solid-state drives (SSDs)
Computer interface requirements	USB2.0
Battery	
Capacity	Explosion proof lithium battery 2500mAh, 3.7V
Working environment	Low temperature negative 30 degrees/high temperature 65 degrees
Usage duration	Recording for about 150 minutes, taking photos for 2.5-3 hours (the duration may vary depending on the resolution)
Charge	type-c USB DC5V/1A, Charging time 3-3.2H
Accessories	
Standard accessories	   
Optional accessories	 



## Certificato di esame UE del tipo

### EU-type examination certificate

### n. ECM 25 ATEX-B WU26



Rilasciato ai sensi della direttiva 2014/34/UE – Allegato III - Modulo B  
Issued according to 2014/34/EU Directive – Annex III - Module B

#### Richiedente

#### Applicant

Ragione Sociale

BEIJING DORLAND SYSTEM CONTROL TECH CO., LTD.

Company Name

Indirizzo

Room1107, Tower B, Tsinghua Tongfang Technology Square, No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China.

Address

Apparecchiatura

Industrial high protection explosion-proof camera

Equipment

Modello(i)

Camera EX05

Model(s)

Questa apparecchiatura o sistema di protezione e le sue eventuali varianti accettate sono descritte nel presente Certificato e nell'allegato dello stesso. This equipment or protective system and any acceptable variation thereto are described in this Certificate and its Annex.

L'ECM, Organismo Notificato n° 1282 in conformità all'art. 17 della Direttiva 2014/34/UE del Parlamento europeo e del Consiglio del 26 febbraio 2014, certifica che questa apparecchiatura o sistema di protezione verificata secondo la procedura di cui all'allegato III, Modulo B, è conforme ai requisiti essenziali di sicurezza e salute per il progetto e la costruzione di apparecchiature e sistemi di protezione destinati ad essere utilizzati in atmosfere potenzialmente esplosive, definiti nell'allegato II della Direttiva.

Le verifiche ed i risultati di prova sono registrati nel rapporto a carattere riservato n° PRD-2025-WU26. The examination and test results are recorded in confidential report no. PRD-2025-WU26.

I requisiti essenziali di sicurezza e salute sono assicurati dalla rispondenza alle Norme applicate: EN IEC 60079-0:2018+A11:2024, EN IEC 60079-11:2024. The essential health and safety requirements are assured by compliance with applied Standard: EN IEC 60079-0:2018+A11:2024, EN IEC 60079-11:2024.

Questo Certificato di esame UE del tipo è relativo soltanto al progetto, all'esame ed alle prove dell'apparecchiatura o sistema di protezione specificato in accordo con la Direttiva 2014/34/UE. Ulteriori requisiti di questa Direttiva si applicano al processo di produzione e fornitura dell'apparecchiatura o sistema di protezione: questi requisiti non sono oggetto del presente certificato. This EU-type examination certificate relates only to the design, examination and tests specified equipment in accordance with Directive 2014/34/EU. Further requirements of the Directive shall be applied to the manufacturing process and supply condition: these requirements are not covered by this certificate.

L'apparecchiatura o il sistema di protezione deve riportare i seguenti contrassegni:

The equipment shall be marked with the following symbols:



II 3G Ex ic IIC T4 Gc/II 3D Ex ic IIIC T135°C Dc/IP68

Valsamoggia (BO)

Data - Date 19/12/2025

Timbro

Scadenza - Expiry date 18/12/2030

Test Report / Technical Construction File no. 2025501FGDQ01254

Questo certificato, incluso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione.  
This certificate, annex included, can only be reproduced in its entirety and without any change.



Firma autorizzata

Authorized signature

Amanda Payne  
(Deputy Manager)