

## **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

Dorland System  
Control Tech Co., Ltd.

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No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China

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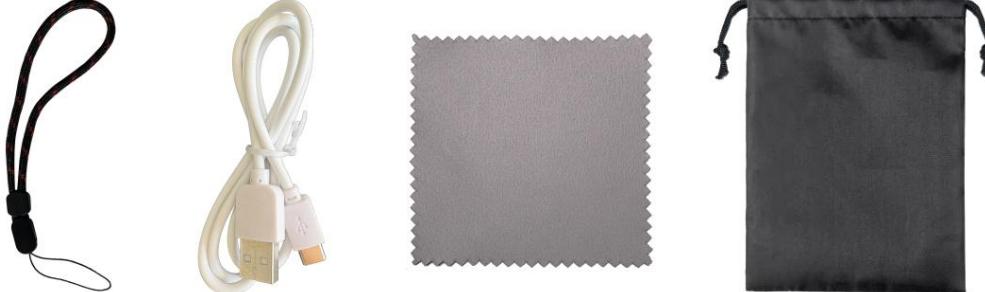
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**DORLAND**  
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Certificate parameters		
<b>ATEX marking</b>	II 3G Ex ic IIC T4 Gc/II 3D Ex ic IIIC T135°C Dc/IP68	
<b>Certificate No.</b>	ECM 25 ATEX-B WU26	
<b>IP Grade</b>	IP68 (5m underwater, 30min)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

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

System requirements	
<b>Computing system requirements</b>	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)
<b>Computer interface requirements</b>	USB2.0
Battery	
<b>Capacity</b>	Explosion proof lithium battery 2500mAh, 3.7V
<b>Working environment</b>	Low temperature negative 30 degrees/high temperature 65 degrees
<b>Usage duration</b>	Recording for about 150 minutes, taking photos for 2.5-3 hours (the duration may vary depending on the resolution)
<b>Charge</b>	type-c USB DC5V/1A, Charging time 3-3.2H
Accessories	
<b>Standard accessories</b>	
<b>Optional accessories</b>	

## 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 sono descritte nel presente Certificato e 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.

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.

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.

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



Firma autorizzata  
*Authorized signature*

Amanda Payne  
(Deputy Manager)

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.*