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DORLAND Industrial High-protection Explosion-proof Camera
EX SHOT 04

DORLAND System Control Tech Co., Ltd. has recently launched the EX SHOT 04 industrial high-protection explosion-proof camera, featuring a 21MP front image sensor and a 13MP rear image sensor with 8x digital zoom, enabling clear imaging of both distant and close-range scenes.

In addition, this device is suitable for outdoor construction, pipeline inspection, and can be integrated with various applications such as OA office systems, inspection positioning systems, and data collection systems. It is particularly ideal for hazardous environments with explosive risks, such as oil, chemical, pharmaceutical, oil depots, tank farms, and other areas containing flammable and explosive gases, facilitating timely communication between users and production/distribution teams.

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

Certificate No.: TBD

IP Grade: IP68

10m 30min waterproof, 1.5-meter drop-resistant

8x digital zoom, ultra-fast autofocus

Ultra-high video resolution, supporting 5K at 30 frames per second

Ultra-high photo resolution, supporting 96MP

Dual-core RISC-V CPU system with a color processing speed of up to 480M pixels per second

60 filters, 8 film effects, 10 scene modes, 5 beauty levels, achieving ultra-free shooting

Supports HDR high dynamic range imaging

Supports ISO 100-6400 and various levels of low-light photography

Supports high-speed burst shooting to capture every movement

Built-in high-power LED flash

High-efficiency Wi-Fi, supporting (802.11B/G/N)

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Certificate parameters		
Ex-marking	Ex ib IIC T4 Gb / Ex ib IIIC T130°C Db	
Certificate No.	TBD	
IP Grade	IP68(Waterproof up to 10m 30min underwater)	
	High protection and explosion-proof level (waterproof, dustproof, anti drop, anti impact, explosion-proof)	
Physical parameters		
Dimensions	111.7*67.3*32.3mm	
Weigh	172.8g (including battery)	
Hardware specifications		
Front Image Sensor	**Type**	21.0MP CMOS Sensor (up to 96MP interpolation)
	Size	1/2.4 inch
Rear Image Sensor	**Type**	13.0MP CMOS Sensor (up to 96MP interpolation)
	Size	1/3.2inch
Resolution	**Image**	96M(13056×7344); 64M(10752×6048); 48M(9344×5248); 36M(8064×4536); 24M(6528×3672); 21M(6144×3456); 14M(5120×2880); 12M(4096×3072)
	Video	5K 30FPS; 4K 30FPS; 2.7K 60FPS; 2.7K 30FPS; FHD 60FPS; FHD 30FPS; HD 60FPS; HD 30FPS
Lens Angle	**Front Module**	V 53.4°; H 67.4°; D 79.8° (Vertical; Horizontal; Diagonal)
	Rear Module	V 48.4°; H 61.6°; D 73.3° (Vertical; Horizontal; Diagonal)
Shooting Distance	**Front Module**	18cm ~ Infinity
	Rear Module	50cm - 120cm
LCD Screen	2.8-inch IPS screen, 4:3 screen (640 * 480)	
External Hotshoe Mount	\	
Built-in Flash	Video recording mode (fill light); Photography mode (automatic flash, forced flash)	
File Format	**Photo**	JPG
	Video	MP4(H.264 codec)
Memory card	Flash memory: N/A	
	External storage: Single card slot: TF card slot (maximum 1T), supports SDHC level 6	
High-Speed Cache	512MB DDR2	
Output	**USB**	Type-C
	Lens	Ff(F=1.8; f=4.69mm)

	Microphone Input	N/A
Operation	**Self-Timer**	Off / 3s timer / 5s timer / 10s timer
	Continuous Shooting	Off / 3 continuous shots / 5 continuous shots / 10 continuous shots
	LED Flash	Auto / Forced / Off
	Exposure Control	Exposure compensation: ±3.0EV
	Focus	8x digital zoom
	Auto Power Off	Off / 1 min / 3 mins / 5 mins
	Date Setting	Adjustable date stamp
	Image Quality	Ultra HD / High Definition / Normal
	White Balance	Auto / Sunny / Cloudy / Fluorescent / Incandescent
Sharpness	Sharp/Normal/Soft	
Shutter Speed	1/10s - 1/2650s	
Wi-Fi	2.4GHz frequency band, supports (802.11 B/G/N)	
Recommended Computer System Configuration	**PC System**	Win7/Win8/Win10/Win11
	CPU	Intel Pentium 2.8GHz CPU or higher (recommended 3GHz)
	SDRAM RAM	At least 512MB RAM or higher (recommended 1GB)
	Graphics Card	At least 64MB or higher graphics card
	USB	Standard USB 2.0 port or higher
		Note: USB allows you to transfer files between your host PC, but the transfer speed of USB 2.0 ports may be much faster
	PC Auxiliary Functions	Webcam
Battery	**Capacity**	1500mAh / 3.7V
	Usage Duration	4K recording ≤ 60 minutes, photography ≤ 100 minutes
Language	English, French, Spanish, Italian, Russian, Portuguese, Dutch, Simplified Chinese, Traditional Chinese, Japanese	

Accessories	
Standard accessories	    
Optional accessories	