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Dorland Intrinsically Safe Industrial Explosion-proof Camera EX Camera 01

(Digital Zoom)

Dorland System Control Tech Co., Ltd. has recently launched the intrinsically safe industrial explosion-proof camera EX Camera 01, which features 6K ultra-high-definition video recording and 84-megapixel photography, equipped with an 18x digital zoom processor and built-in image stabilization. It captures smooth and clear dynamic footage with precise autofocus, accurately presenting scenes near and far, and supports remote control shooting.

In addition, it is suitable for outdoor construction, pipeline inspection, and other applications, and can be used in conjunction with various systems such as OA office systems, inspection positioning systems, and data collection systems. It is particularly suitable for use in hazardous and explosive environments, such as oil, chemical, pharmaceutical, oil depot, and tank farm areas with flammable and explosive gases, facilitating timely communication between users and production and dispatching teams.

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Certificate parameters	
Ex-Marking	Ex ib IIC T4 Gb / Ex ib IIIC T130℃ Db
Certificate No.	TBD
Specification parameters	
Selling point	1. 6K ultra-high-definition video recording 2. Maximum camera resolution of 84 million pixels 2. With AF (Auto Focus) shooting function 3. Supports webcam (compatible with Windows 7 and above, as well as MAC systems) 4. 3.0-inch high-definition touch display 5. Support simultaneous charging and recording 6. Support external MIC recording 7. Supports WIFI (APP) control functions (shooting/setting/real-time preview/playback) 8. Time-lapse video recording 9. Slow-motion video recording 10. Interval photography 11. Video recording + photography 12. Selfie and continuous shooting functions 13. Support for video pause 14. Equipped with LED fill light function 15. 18X digital zoom 16. Smiling Face Capture 17. Filter 18. Beauty enhancement

Project	Description
Image sensor	SONY CMOS sensor with 48 million pixels, capable of interpolating up to 84 million pixels
Autofocus (AF) range	10CM~infinitely far; when the distance to the object being photographed is 10cm or more, press the camera button (there are two sections, press the first section to focus, press the second section to take a photo or pause the video), and it can automatically focus and form a clear image (this is not optical zoom)
storage medium	Support TF card; the card used must be Class 10 or above and within 256GB (inclusive)
speed	Auto / ISO100 / ISO200 / ISO400 / ISO800 / ISO1600 / ISO3200 / ISO6400
lens	AF focusing lens, F/2.4, f=5.04mm
Zoom mode	Auto focus mode: 0.1m to infinity; fixed focal length mode: 2.0m to infinity
still image	Format: JPG; Resolution: 8M, 12M, 20M, 24M, 30M, 48M, 56M, 64M, 72M, 84M (software interpolation)

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movie clip	Format: MP4, Resolution: 6K_5760*3240 (30FPS), 5K_5120*2880 (30FPS), 4.7K_4608X2592 (30FPS), 4K_3840X2160 (60/30FPS), 2.7K_2688X1520 (30FPS), FHD_1920X1080 (60/30FPS), HD_1280x720 (120/60/30FPS)
digital zoom	18x digital zoom
image quality	Standard/High Quality/Ultra High Quality
WIFI (APP) control	support
External MIC recording interface	support
LED fill light	Photographing/video recording and light compensation
white balance	Automatic / Sunny / Cloudy / Fluorescent / Tungsten Lamp
Exposure and tasting	−3.0EV～+3.0EV
metering	Average metering / Center metering / Spot metering / Matrix metering
camera timer	Settings: 2 seconds/5 seconds/10 seconds/15 seconds/30 seconds
Beauty Filter	support
Filter	Normal/Black and White/Negative Film/Vintage/Brown/Warm Color/Cool Color/Bright/Red/Green/Blue
Computer interface	USB 2.0 Micro Type (High Speed), HDMI Port, TF Card Slot, External Microphone Jack
Automatic shutdown	Off/3 minutes/5 minutes/10 minutes
LCD screen	3.0-inch ultra-high-definition touch IPS screen (16:9)
language	English (default), Simplified Chinese, Traditional Chinese, Japanese, Korean, Russian, German, French, Italian, Spanish, Portuguese, Thai, (other languages require customized menus)
Battery	Lithium-ion battery, capacity 1500mAh, 3.7V (weight 27.5±5g)
Body size (W*H*D)	118.4*82*83 millimeters
Product weight	About 365±5g (with battery) About 337±5g (without battery)