

OZC 3 DIGITAL CAMERA

Zones 2, 22

Full catalogue available on our website: www.inpratex.com

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MISCELLANEOUS DEVICES

MISCELLANEOUS

ZONES 2 (gas) & 22 (dust)

The OZC 3 is the only explosion proof camera boasting a 4x optical zoom. Designed for ATEX Zone 2 (Gas) and 22 (Dust) environments, this camera merges compact durability with high functionality. It withstands drops up to 2.1m, operates down to -10 degrees Celsius, and resists dust intrusion. The OZC 3 is a modified version of the TG-7, in collaboration with OM System.

This camera excels in hazardous areas, offering specialized shooting modes for low light and dusty environments (construction mode), alongside a mode tailored for clear capturing labels. Ideal for maintenance and inspection tasks, it's engineered for precision and safety.



- Perfect for Maintenance & Inspections
- 4K | 12 MP
- 4x Lossless Optical Zoom, 14x Maximum Zoom
- Hazardous Area Capture Mode
- Label Capture Mode
- Connect with Ex Smart Devices
- Extremely Rugged
- Including Rugged Case



EU-Type Examination Certificate



The OZC 3 employs advanced Sensor Shift Image Stabilization software to stabilize videos and images. This feature proves invaluable during video inspections, allowing users to move around the site and capture all equipment, machinery, and surroundings without worrying about distorted or shaky footage.

This results in clearer, more professional material that surpasses what the latest generation of smartphones can offer.

The use of a camera's flash poses an ignition risk, making it non-compliant with ATEX regulations. This presents a challenge in potentially explosive environments where a consistent light source may not always be available, such as confined spaces within factories or machinery rooms, or outdoor hazardous areas dependent on natural daylight for illumination.

The Ex-M OZC 3 stands out as the sole intrinsically safe camera designed to overcome this obstacle. It achieves exceptional sensitivity through its advanced image processing engine, meaning the camera utilizes software enhancements to produce high-quality, bright images combined with the LED flash.

ITEM REFERENCES

Designation:	Item No.:
OZC-3 Digital Camera	

The OZC 3 is compatible with the following SD cards:

- SanDisk: Extreme Pro SDXC UHS-I Card (256GB, 512GB, 1TB)
- SanDisk: Extreme Pro SDHC/SDXC UHS-II Card (32GB, 64GB, 128GB, 256GB)
- SanDisk: Extreme PLUS SDHC/SDXC UHS-I Card (32GB, 64GB, 128GB, 256GB)
- KIOXIA: EXCERIA PRO SDXC UHS-II Memory Card (64GB, 128GB, 256GB)
- KIOXIA: EXCERIA PLUS SDHC/SDXC UHS-I Memory Card (32GB, 64GB, 128GB, 256GB, 512GB, 1TB)

Micro SD to SD adapters are NOT supported. The SD card must be formatted before use. For video recording SD class 6 or higher is recommended.

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TECHNICAL SPECIFICATIONS

Marking:	 II 3G Ex ic IIC T4 Gc  II 3D Ex ic IIIB T135°C Dc
Certificate:	EU-Type Examination Certificate
Operating temperature:	-10°C to +40°C
Ingress protection:	IP54
Image sensor:	12 MP - 1/2.3" BSI CMOS
Processor:	TruePic VIII
Lenses:	25-100mm (35mm equiv.) - 4x Optical Zoom / F2.0 (W) - F4.9 (T)
Macro capability:	Super macro: less than f=5.4mm, from 0.1m to 0.3m / above 5.4mm, from 0.01m to 0.3m Microscope: 0.01m - 0.30m
One push tele-converter:	x2 (P, A, Movie mode), x2/x4 (Microscope mode)
Image stabilization:	Sensor Shift Image Stabilization
Monitor:	3.0", approx. 1,037k dots (3:2)
ISO:	100 - 12,800
Shutter speed:	1/2 - 1/2000 sec. (A mode: up to 4 sec.)
Still photo recording:	JPEG, RAW (12-bit lossless compression), JPEG+RAW [RAW] 4000 x 3000 [JPEG] 4000 x 3000 ~ 1280 x 960
Sequential shooting:	[Sequential shooting H]: approx. 20 fps with selectable 10/20 fps [Sequential shooting L]: approx. 5 fps [Pro Capture]: approx. 10 fps*Electronic Shutter
Interval shooting:	Creating Time-lapse movie is possible with interval shooting up to 299 frames. Time priority, Frame priority selectable*Exposure smoothing is available
Video:	3840x2160 (4K) 30p, 25p / IPB (approx. 102Mbps) 1920 x 1080 (FHD) / 60p, 50p, 30p, 25p / IPB (approx. 52Mbps, approx. 30Mbps, approx. 18Mbps) 1280 x 720 (HD) / 30p, 25p / IPB (approx. 26Mbps, approx. 14Mbps, approx. 10Mbps) *Frame rates may drop when particular Art Filters and Movie Effects are used.
Tough capabilities:	Waterproof to depths of 50 ft / 15 m Freezproof to 14°F / -10°C Crushproof to 220 lbf / 100 kgf Shockproof from 7 ft / 2.1 m Anti-fog dual pane lens cover glass
GPS / Field Sensor System:	GPS (GLONASS, Galileo, QZSS), compass, manometer, temperature sensor, acceleration sensor
Creative features:	Live Composite, Art Filters, HDR, Underwater Modes, Macro Modes, Construction Mode
Connectivity:	USB Type-C Micro HDMI (type D) Built-in Wi-Fi (IEEE 802.11b/g/n) Built-in Bluetooth (Version 4.2 Bluetooth Low Energy)
Power:	LI-92B Li-ion battery
Dimensions:	113.9 mm (W) x 65.8 mm (H) x 32.7 mm (D) / 4.48 in (W) x 2.59 in (H) x 1.28 in (D)
Weight:	Approx. 249 g (with battery and memory card, based on CIPA standards) (0.55 lb / 8.78 oz)

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