

Cámara a prueba de explosiones

Armadex Ex-M OZC 2

Certificado ATEX Zona 2



Beneficios clave

- Apto para la Zona 2 ATEX
- Chasis de cámara resistente y ligero
- Objetivo óptico de gran angular 5X
- Modo Microscopio Digital
- Luz anular de 6 LEDs
- Película SR+; Reducción de la vibración de la película
- Carcasa a prueba de salpicaduras (IP66)

II 3G Ex h ic IIC, IIB, IIA T4 Gc



Cámara digital con certificación ATE

La ARMADEX Ex-M OZC 2 es la única cámara a prueba de explosiones que está equipada con una función de zoom óptico de 5 aumentos. La cámara ATEX es apta para su uso en la zona ATEX 2 (gas). El cuerpo de la cámara, compacto pero robusto, es a prueba de golpes de hasta 2,1 m, con carcasa a prueba de salpicaduras (IP66), a prueba de congelación hasta -10 grados Celsius y a prueba de polvo.

Sólo pesa 246 gramos, incluyendo la batería y la carcasa, y es adecuada para entornos exteriores difíciles. El objetivo de zoom óptico gran angular ofrece imágenes nítidas. Imágenes y vídeos estabilizados con el software MovieSR+. Con una batería completamente cargada, se pueden tomar unas 340 imágenes fijas en modo automático. La transferencia de archivos es rápida y segura gracias a la conectividad USB-C (Tipo 3). La OZC 2 está optimizada específicamente para tomar imágenes de cerca de maquinaria de precisión, como los microchips. Además, el Modo Microscopio Digital permite tomar fotos de objetos a 1 cm de distancia. En combinación con el zoom óptico de 5x y el digital de 8,1x (zoom total de 40,5x), la OZC 2 capta los detalles más extremos de cualquier objeto. Con un software de imagen avanzado, la OZC 2 ofrece un gran rendimiento con poca luz. Además, la OZC 2 incorpora un flash anular de 6 LED. Esto es especialmente útil porque las cámaras ATEX no pueden estar equipadas con un tubo de flash de xenón debido a la normativa ATEX.

La cámara ATEX es convertida por nuestros expertos en la empresa, como ocurre con todos nuestros equipos ATEX. Ten en cuenta que, debido a la normativa ATEX, **el tubo de flash de xenón está desactivado.**

Especificaciones de seguridad contra explosiones (ATEX)

Directiva de la UE	2014/34/EU (ATEX114)	Normas aplicadas	EN 60079-0:2012 +A11:2013
Gas de marcado ATEX	II 3G Ex h ic IIC T4 Gc		EN 60079-11:2012
Zona ATEX	2 (3G)		EN ISO 80079-36:2016

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Full ATEX Camera Specifications

These are the specifications of the OEM Ricoh WG-6 product. Please note that the ARMADEX Ex-M OZC 2 comes without flash functionality and has a splash proof housing (IP66).

Lens	Name	RICOH lens, 11 elements in 9 groups (5 aspherical elements)
	Focal length	5 – 25 mm
	In 35mm format equivalent	Approx. 28 – 140mm
	Maximum Aperture	F3.5(W) – F5.5(T)
Zoom	Optical Zoom	5X
	Digital Zoom	approx. 8.1X
	Intelligent zoom	approx. 7X at 10M, approx. 40.5X at 640 (including optical zoom)
Motion Blur Reduction	Still	Pixel Track SR Hi-sensitivity anti-shake mode (Digital SR)
	Movie	Movie shake reduction mode (Movie SR, Movie SR+)
Focus	Type	9-point AF, Spot AF, Auto tracking AF
	Focus range (from lens face)	<ul style="list-style-type: none"> • Standard: 0.5m – infinity / 1.64ft. – infinity (entire zoom range) • Macro: 0.1 – 0.6m / 0.33 – 1.97ft. (entire zoom range) • 1cm Macro: 0.01 – 0.3m / 0.03 – 0.98ft. (middle zoom position) • Infinity-landscape, Pan Focus, Manual Focus: available
Number of Effective pixels	Approx. 20 megapixels	
Image Sensor	1/2.3" CMOS	

Number of Recorded pixels	Still	Size: L(20M), M(10), S(5M), XS(3M), 2M, 1M, VGA • () in aspect 4:3. • 2M and 1M are available only in the CALS mode. Aspect: 4:3, 3:2, 1:1 • In the CALS mode, the aspect ratio is fixed to 4:3.
	Movie	4K, 1920, 1280
Sensitivity	Standard output sensitivity: AUTO, Manual (ISO 125 – 6400)	
White Balance	Auto, Daylight, Shade, Cloudy, Tungsten light, Fluorescent light(D:Daylight Color, N:Daylight White, W:White Light, L:Warm White), Ring light, Manual	
Display	Type	3.0" (aspect ratio 3:2) LCD, approx. 1040K dots, AR Coating(Cover only)
	Adjustments	Brightness, Outdoor View Setting: ±2 Steps
Exposure Control	Metering System	Multi-segment metering, Center-weighted metering, Spot metering
	Exposure Compensation	± 2EV (1/3EV steps)
Scene modes	Auto Picture, Program, HDR, Handheld Night Snap, Movie, High Speed Movie, Digital Microscope, Landscape, Flower, Portrait, Underwater, Underwater Movie, Interval Shot, Interval Movie, Surf & Snow, Kids, Pet, Sport, Night Scene, Fireworks, Digital SR, Report, Green, Depth of field composition	
Face detection	Face Detection AF&AE is available for all modes up to 30 faces. Smile Capture, Self-portrait Assist, Self-portrait Assist + Smile Capture, Blink Detection	
Pet detection	Detect up to 1 pet's face(auto)	

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Playback modes	Slideshow, Image Rotation, Small Face Filter, Ink Rubbing Filter, Digital Filter(B&W / Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature), HDR Filter, Movie Edit, Red-eye Edit, Resize, Cropping, Image Copy, Protect, Start-up Screen, Recover File, Auto Image Rotation
Shutter speed	1/4000 – 1/4sec.(Mechanical and electronic shutter), 4sec at most. (Night Scene mode setting)
Drive modes	One shot, Self-timer, Continuous Shooting, Burst Shooting, M Continuous, S Continuous, Remote Control, Auto Bracketing
Storage media	Built-in Memory (approx. 27MB), SD/SDHC/SDXC Memory Card, FlashAir™ Card
Power source	Rechargeable Battery DB-110, AC Adapter Kit K-AC166(Optional)
Battery life	Still*1: approx. 340 shots (Rechargeable Battery) Playback*2: approx. 260 min. (Rechargeable Battery)
Interfaces	USB3.0(Type-C), HDMI output terminal(Type D)
Water proof / DustDust-proof	Equivalent to JIS Class 8 waterproof and JIS Class 6 dustproof capabilities

Dimensions	Approx. 118.2 (W)x65.5 (H)x33.1 (D)mm /4.7 (W) x2.6 (H)x1.3 (D) inches (including lens depth)
Weight	Approx. 246g / 8.6 oz. (Included dedicated battery and SD memory card),Approx. 219g / 7.7 oz.(Body only)
Included accessories	Rechargeable Battery DB-110, USB Power Adapter, Power Plug, USB Cable I-USB173, Hand Strap
Languages	English, French, Germany, Spanish, Portuguese, Italy, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkey, Greek, Russian, Thai, Korean, Simplified Chinese, Traditional Chinese
GPS	<ul style="list-style-type: none"> • GPS, GLONASS, QZSS+ SBAS • GPS display mode: LAT/LON, UTM, MGRS • GPS log, GPS lock, GPS time adjustment, GPS data imprint, UTC data imprint
Electronic compass	Compass heading: Cardinal, Degrees, Cardinal/ Degrees Declination, Compass data imprint

Cámara a prueba de explosiones Armadox Ex-M OZC 2 Certificado ATEX Zona 2



Equipment for Hazardous Areas

EU Declaration of Conformity ATEX DIRECTIVE 2014/34/EU



Equipment for Hazardous Areas

No. EX-M22ATEX2321X.EU

The product:

Model: ATEX Zone 2 Explosion Proof Camera with Optical Zoom
Type: Armadox EX-M OZC 2
Consisting of: Camera PCB, Optical Zoom Motor, LED Ring Flash, Lens Actuator and Battery
Supply: Rechargeable Battery 3.6 VDC, rated current max. 312 mA,

Marking affixed:   II 3G Ex h ic IIC T4 Gc

The manufacturer:

Ex-Machinery Explosion Proof Equipment B.V., Tinstraat 33, 2984 AN, Ridderkerk, The Netherlands

This declaration of conformity is issued under the sole responsibility of the manufacturer

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

ATEX DIRECTIVE 2014/34/EU: "Concerning equipment and protective systems intended for use in potentially explosive atmospheres"

References to the relevant harmonized standards:

The following harmonized standards are applied in relation to which conformity is declared:

EN 60079-0:2012 + A11:2013 EN 60079-11:2012 EN ISO 80079-36:2016

Additional information considered relevant to this declaration:

Specific conditions of use are specified in the accompanying user manual of the product

Signed for and on behalf of

Ex-Machinery,


G.A. van Tienhoven M.Sc. Engineering
Managing Director

Ex-Machinery
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Ridderkerk, 14-04-2022

THIS DECLARATION IS NOT A WARRANTY OF ATTRIBUTES WITHIN THE MEANING OF THE LAW CONCERNING PRODUCT LIABILITY. THE SAFETY INSTRUCTIONS GIVEN IN THE INSTALLATION MANUAL MUST BE OBSERVED. THE APPARATUS SHALL ONLY BE OPERATED UNDER THE CONDITIONS AS DESCRIBED IN THE USER MANUAL

