ernitec

PRODUCT DATASHEET · DEIMOS BULLET SERIES

0070-08214

Deimos-BX-415WL · 5MP Full-Colour Bullet Network Camera, 2.8 mm

Full colour, day and night

A 5MP bullet with STARVIS™ sensor, F1.0 lens and 40 m warm light for colour images around the clock.

NDAA COMPLIANT | IP66 | ONVIF S/T/G/M



5MP	1/2.8″	2.8	40 m	IP66	5 YR
RESOLUTION	SENSOR	LENS (MM)	LIGHT RANGE	PROTECTION	WARRANTY

Product overview

The **Ernitec 0070-08214 (Deimos-BX-415WL)** is a 5MP full-colour bullet for outdoor use. Its F1.0 2.8 mm lens and 40 m warm light deliver colour images around the clock, with True WDR for difficult light.

On-board AI detects faces, humans and vehicles and supports perimeter analytics and people counting. ONVIF Profile S/T/G/M makes VMS integration simple, and a single PoE cable is all it takes to install.

Key features

- **STARVIS™ sensor** 1/2.8″ 5MP CMOS, 2592 × 1944 at 25/30 fps
- **2.8 mm lens** fixed focal, F1.0, 97.5° horizontal field of view
- **Warm light** up to 40 m, colour down to 0.003 lux
- **Clear images** True WDR, 3D DNR, ROI, HLC, BLC, Defog
- **Audio & I/O** built-in mic and speaker, 1/1 audio and 1/1 alarm in/out
- **Robust** IP66, −40 to 55 °C, PoE 802.3af, max. 9.5 W

Analytics & integration

- **AI detection** face, human and vehicle detection and capture
- **Perimeter** intrusion, line crossing, loitering, wrong-way
- **Smart alarms** triggered by target type (human, vehicle)
- **Open platform** ONVIF Profile S/T/G/M, SDK and CGI
- **Business insight** people counting
- **Security** HTTPS, IEEE 802.1X, IP filter, illegal login lock

Typical applications

Car parks · Building perimeters · Entrances and yards · Shops and forecourts · Commercial premises.

Camera specification

Camera	
Image sensor	1/2.8″ progressive scan CMOS (STARVIS™)
Max. resolution	5MP, 2592 × 1944
Shutter speed	Auto/Manual, 1/5 to 1/100,000 s
Min. illumination	Colour: 0.003 lux @ F1.0 (AGC on) B/W: 0 lux with light on
Day & night	Fixed filter (full colour)
Wide dynamic range	True WDR
Angle adjustment	Pan 0° to 360°, tilt 0° to 90°, rotation 0° to 360°

Lens	
Lens type	Fixed lens, fixed focal
Focal length	2.8 mm
Max. aperture	F1.0
Field of view	H: 97.5°, V: 70.2°
Iris	Fixed

Illuminator	
Type	Warm light
Distance	Up to 40 m (131.2 ft)
Control	Auto/Manual

Security	
Access control	IP address filter, illegal login lock
Encryption	HTTPS
Authentication	IEEE 802.1X

Intelligent analytics	
Multi-object detection	Face, human and vehicle detection with snapshot capture; Full Frame, Four-corner Frame and Mosaic modes
Intelligent analysis	Intrusion, single and double line crossing, loitering, wrong-way detection, smart motion detection; alarm triggering by target type (human, vehicle)
People counting	Supported

Video & audio	
Video compression	H.265, H.264, MJPEG
Streams	3
Main stream	2592 × 1944, 2592 × 1520, 1920 × 1080, 1280 × 720
Sub streams	Stream 2: D1, VGA, CIF Stream 3: VGA, CIF, QVGA
Frame rate	Up to 25/30 fps
Bit rate control	CBR/VBR
Bit rate	Stream 1: 200 kbps to 12 Mbps Stream 2: 100 kbps to 6 Mbps Stream 3: 100 kbps to 3 Mbps
Smart encode / ROI	Supported / 8 zones
Audio compression	G.711 A-law, G.711 μ-law, RAW_PCM
Audio bit rate	64 kbps (G.711), 128 kbps (RAW_PCM)

Image	
Image adjustment	Brightness, sharpness, contrast, saturation
Scene mode	Indoor, outdoor, mirror, corridor
Exposure mode	Auto, manual, shutter priority
White balance	Auto, tungsten, fluorescent, daylight, shadow, manual
Day/night setting	Auto, day, night, timer
Noise reduction	2D/3D DNR
Image enhancement	HLC, BLC, Defog, WDR
Privacy masking	4 areas

Interfaces, network & general

Interface	
Network interface	1 × RJ-45, 10/100 Base-T
Built-in microphone	Supported
Built-in speaker	Supported
Audio	1 × input, 1 × output
Alarm	1 × input, 1 × output
SD card slot	Built-in microSD, up to 256 GB
Reset button	Supported

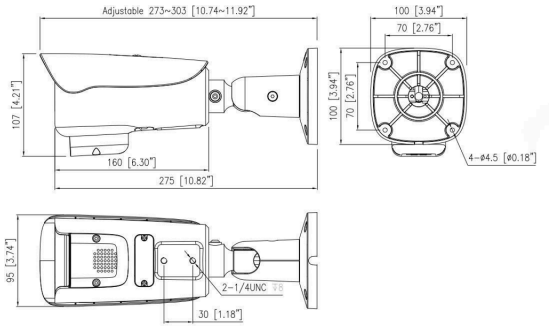
Event	
Alarm triggers	IVS, motion detection, alarm input, network alarm, disk alarm, day/night switch, abnormal sound
Event actions	Alarm record, alarm output, FTP upload, SMTP upload, audible alarm output

Power & environment	
Power supply	12 VDC (−15% to +25%) / PoE (IEEE 802.3af)
Power consumption	Max. 9.5 W
Operating temperature	−40 °C to 55 °C (−40 °F to 131 °F)
Operating humidity	< 90% RH
Ingress protection	IP66

Network	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, 802.1x, SNMP, Multicast
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
Users / levels	Up to 10 users; Administrator, Operator, Media user
Web viewer	IE11, Chrome, Firefox, Microsoft Edge

Mechanical & general	
Material	Aluminium alloy, plastic
Dimensions	303 × 100 × 107 mm (11.9 × 3.94 × 4.21 in)
Net weight	1.25 kg (2.76 lb)
Certifications	CE
EMC	2014/30/EU: EN 55032, EN 61000-3-3, EN 55035, EN 50130-4, IEC 61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11
Environmental	RoHS 2011/65/EU; REACH EC 1907/2006 (no SVHC above 0.1% w/w)
Compliance	NDAA

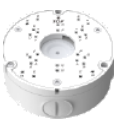
Dimensions (mm)



Optional accessories



0070-11823
Junction box



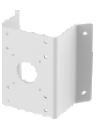
0070-11813
Junction box



0070-11851
Pole mount



0070-11852
Pole mount



0070-11861
Corner mount

Pole mount 0070-11852 and corner mount 0070-11861 are used together with junction box 0070-11823 or 0070-11813. See the Ernitec Accessories Selection Guide for combinations.

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