DXXX

Explosion-Proof Dome Network Camera

Description

The SPECTRUM D-Series is a cFMus Class I/II/III, Division 1 (Groups: B, C, D, E, F, G) and IECEx & ATEX Zone 1/21 (IIB+H2/IIIC) camera system proudly designed and manufactured in the USA to exceed the highest global industry standards for safe operation in hazardous or potentially combustible environments and in the most extreme weather conditions.

The SPECTRUM D-Series utilizes an industry first patented multi-chambered enclosure design, with an explosion proof bulkhead used between chambers with each bulkhead including access ports to allow electrical/network connections to be safely passed through. The SPECTRUM D-Series is available in both corrosion resistant marine-grade aluminum or electro-polished 316L stainless steel with an IP66/67 Type 4X rating for protection against water/dust particles and is certified to withstand temperatures ranging from -20°C to +55°C. The enclosure also features a patented GORE-TEX® Breather Drain membrane system incorporated into the housing design: air within the enclosure is allowed to equalize with the surrounding atmosphere, preventing interior condensation and negating any potential damage to the onboard electronics.

The SPECTRUM D-Series utilizes Power over Ethernet (PoE) for power and network connectivity, providing a flexible low-voltage install solution.

Key Features

- Certified for Class I/II/III, Division 1, IECEX-ATEX Zone 1/21
- PoE
- Light weight: 17lbs - 63lbs
- Marine-Ready Aluminum or Stainless Steel (316L)
- Patented Technology

*Shown with required wall mount, pole mount adapter is optional

General Specifications	
Warranty	3-Year
Casing	**A** = Marine-ready Aluminum **S** = 316L Stainless Steel
Certifications	Class I/II/III, Division 1, IECEX-ATEX Zone 1/21
Weight	A = 17 - 37lbs S = 50 -63lbs
Power	Power over Ethernet (PoE)
Temperature Range	-20°C to +55°C
Patents	US Patent 9917428 US Patent D858611

Dimensions	
Width	8.6″
Height	See Specific Model for Details

Compatible Accessories	Part Number
Wall Mount	SD-WM
Horizontal Wall Mount	SD-HM
Corner Mount	SD-CM
Vibration Dampening Mount	SD-VM
Pole Mount Adapter	SD-PM
XL Pole Mount Adapter	SD-PM XL
Offshore Kit	SD-OSK
Standoff Mount	SD-SO

**NOTE: GENERAL LABELS ONLY, SEE SPECIFIC MODEL FOR DETAILS.

D101-X-Q3617-VE-BD

Explosion-proof PTRZ Camera

Camera	
Image Sensor	Progressive scan RGB CMOS 1/1.8"
Lens	Varifocal, 4.1–9 mm, F1.6 Horizontal field of view: 6 MP mode: 101°–46°, 4 MP 16:9 mode: 90°–41° Vertical field of view: 6 MP mode: 66°–30°, 4 MP 16:9 mode: 49°–23° Remote focus and zoom, P-Iris control, IR corrected
Day/Night	Automatically removable infrared-cut filter
Minimum Illumination	Color: 0.15 lux at 50 IRE, F1.6; B/W: 0.03 lux at 50 IRE, F1.6
Shutter Speed	1/100000 s to 2 s
Camera angle adjustment	Pan 370° Tilt +/- 81° Roll +/- 110°
Video	
Video Compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	3072x2048 to 160x90
Frame Rate	HDTV 1080p (1920x1080) without WDR: 50/60 fps with power line frequency 50/60 Hz 5 MP (3072x1728) with WDR: 20 fps
Video Streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Image Settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zone, noise reduction, fine tuning of behavior at low light, rotation: 0°, 90°, 180°, 270° including Corridor Format, text and image overlay, privacy mask, mirroring of images, electronic image stabilization, barrel distortion correction
Multi-view streaming	Up to 4 individually cropped out view areas
Pan/tilt/zoom	2.2x optical zoom and 2x digital zoom Digital PTZ Optical zoom and digital PTZ preset position
General	
Casing (X)	A = Marine-Ready Aluminum S = 316L Stainless Steel
Memory	1 GB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 6.1 W, max 11.4 W (PoE+ midspan or power supply not included)
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Warranty	3-Year
Weight	A = 28 lbs S = 55 lbs
Dimensions	Height = 11.44 in Width = 8.60 in
Patent Notice	Manufactured under United States US Patent: 9917428 US Patent: D858611
Network	
Security	Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS)a network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection, signed firmware
Supported Protocols	IPv4, IPv6 USGv6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnPTM, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SFTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT

FM APPROVED
CERT NO. FM17US0156X

SPECTRUM CAMERA SOLUTIONS
SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY

8935 ALMEDA GENOA RD.
HOUSTON, TEXAS 77075
USA

INPUT: 44-57 Vdc 11.4W
MODEL NUMBER: D101-X-Q3617-VE-BD SERIAL: XXXX-XX-XX-XXXX

Class I Division 1 Groups B,C,D T6, Type 4X, IP66
Class II/III, Division 1, Groups E,F,G T6

-WARNINGS: Ta = -20°C to +55°C
-NOT INCLUDING KETONE OR ESTER ATMOSPHERES
-CONDUIT ENTRIES ARE M20 X 1.5
-DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT
-INSTALL SEAL AT ENCLOSURE ENTRY

US Patent 9917428
US Patent D858611

SPECTRUM CAMERA SOLUTIONS
SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY
8935 ALMEDA GENOA RD. HOUSTON, TEXAS 77075 USA

FM APPROVED C US

MADE IN USA

CE 2809

CERT NO.
FM17US0156X & FM18CA0103X

MODEL: D101-X-Q3617-VE-BD **SERIAL:** XXXX-XX-XX-XXXX
INPUT: 44-57 Vdc 11.4W
Class I, Zone 1, AEx/Ex db IIB+H2 T6 Gb Ta = -20°C to +55°C, Type 4X, IP66
Zone 21, AEx/Ex tb IIIC T85°C Db Ta = -20°C to +55°C, Type 4X, IP66

II 2 G Ex db IIB+H2 T6 Gb Ta = -20°C to +55°C, IP66
II 2 D Ex tb IIIC T85°C Db Ta = -20°C to +55°C, IP66
CERT NO. FM18ATEX0057X & IECEx FMG 18.0020X

WARNING:DO NOT OPEN WHEN ENERGIZED OR WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT
INSTALL SEAL AT ENCLOSURE ENTRY

www.spectrumcamera.com

US Patent 9917428
US Patent D858611

SPECTRUM CAMERA SOLUTIONS
SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY
8935 ALMEDA GENOA RD. HOUSTON, TEXAS 77075 USA

FABRICADO NO EUA
CERT NO. NCC 20.0083 X
MODELO: D101-X-Q3617-VE-BD
ALIMENTAÇÃO:44-57Vdc 11.4 W

No. SÉRIE: **XXXX-XX-XX-XXXX**

Segurança
INMETRO OCP 0034
Ex db IIB+H2 T6 Gb Ta = -20°C to +55°C, IP66
Ex tb IIIC T85°C Db Ta = -20°C to +55°C, IP66
NCC 20.0083 X

NCC 20.0083 X
Ex db IIB+H2 T6 Gb Ta = -20°C to + 55°
C Ex tb IIIC T85°C Db Ta = -20°C to +55°
C IP66

ATENÇÃO:
- ENTRADAS DE CABOS M20 X 1.5
- NÃO ABRA ENQUANTO UMA ATMOSFERA EXPLOSIVA PUDER ESTAR PRESENTE
- INSTALAR ANEL DE VEDAÇÃO NAS ENTRADAS
- NÃO ABRIR QUANDO ENERGIZADO
- RISCO POTENCIAL DE CARGA ELETROSTÁTICA - VER INSTRUÇÕES

-Patente EUA 9917428
-Patente EUA D858611

Accessories

Compatible with Explosion-Proof Dome Cameras

Wall Mount

SD-WM

The SD-WM allows for the dome camera to be mounted on walls.

F1XX-WM	
Dimensions	15-1/16 x 9-3/8 x 8-1/4 in
Weight	4.6 kg (10.2 lb)
Maximum Load Tested	1000 kg (2200 lbs)
Material	Electro polished stainless steel

Horizontal Mount

SD-HM

The SD-HM is designed to achieve the best panoramic views on panoramic cameras. It can be mounted horizontal on walls, or pendant style on ceilings.

SD-PM	
Dimensions	9.0 x 9.0 x 6.3 in
Weight	3.2 kg (7 lbs)
Maximum Load Tested	1000 kg (2200 lbs)
Material	Electro polished stainless steel

XL Pole Mount

SD-PM XL

The SD-PM XL pole mount is designed to allow a camera (with the required wall mount) to be mounted on large poles with diameters ranging from 2.25 to 14 inches.

SD-PM XL	
Dimensions	19.125 x 12.82 x 2.25 in
Weight	41 lbs
Maximum Load Tested	1000 kg (2200 lbs)
Material	Electropolished stainless steel

Pole Mount

SD-PM

The SD-PM pole mount is designed to allow a camera (with the required wall mount) to be mounted on poles with diameters ranging from 2 to 8 inches.

SD-PM	
Dimensions	12.50 x 8.50 x 3.38 in
Weight	10.7 kg (23.6 lbs)
Maximum Load Tested	1000 kg (2200 lbs)
Material	Electropolished stainless steel

Vibration Mount

SD-VM

The vibration mount is designed to dampen vibrations and provide stabilization to the camera for clearer image/videos.

SD-VM	
Dimensions	8 x 7-7/8 x 1.9 in
Weight	4.53 kg (10 lbs)
Maximum Load Tested	1000 kg (2200 lb)
Material	Electropolished stainless steel

Corner Mount

SD-CM

The SD-CM Corner Mount allows for the cameras to be mounted on corners.

SD-CM	
Dimensions	16.33 x 8.27 x 9.92 in
Weight	4.8 kg (10.6 lbs)
Maximum Load Tested	1000 kg (2200 lb)
Material	Electropolished stainless steel

Accessories

Compatible with Explosion-Proof Dome Cameras

Standoff Mount

SD-SO

The Standoff mount is designed to mount the camera further away from the mounting surface.

SD-SO	
Dimensions	8-1/4 x 8-1/4 x 9 in
Weight	4.89 kg (10.8 lbs)
Maximum Load Tested	1000 kg (2200 lb)
Material	Electropolished stainless steel

Reliable Securing Kit

SD-RSK

Anti-Galvanic Corrosion Kit with Secondary Retention Lanyard.

SD-OSK	
Warranty	3-Year