SPECTRUM CAMERA SOLUTIONS
SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY

Spectrum D210-X-x.0CH6APTZDP30-xxx-BD

Explosion-Proof 2MP & 4MP PTZ Dome Camera

Key Features

- 2MP & 4MP Image Resolution
- 30x Zoom
- Built-in analytics
- Reliable Securing Kit included
- Made in USA
- NDAA-Compliant
- cFMus, Class I/II/III, Division 1, Zone 1/21, IECEx, ATEX, INMETRO and UKCA approved.
- Operating Temperature: -20°C to +55°C

MADE IN U. S. A. | Ex | IECEx | INMETRO | FM APPROVED | UKCA | 5 YEAR WARRANTY

Avigilon Camera Inside

AVIGILON™

Description

Spectrum D210-X-x.0CH6APTZDP30-xxx-BD explosion-proof PTZ camera provides wide area coverage, high speed tracking and long range detail, empowering security operators with 360° views to monitor large areas with ease, including greater zooming capabilites for evidentiary detail. This powerful camera delivers high-quality, detailed images with up to 30x zoom, which is ideal for critical infrastructure and safety. Enclosed in a patented in a stainless steel or red aluminum explosion-proof housing, it's certified (cFMus, IECEx, ATEX, INMETRO and UKCA approved) for use in potentially combustible environments.

Model	Part Number	MP	Lens	Analytics	Days of Storage	Avigilon Technology
Unity	D210-X-2.0CH6APTZDP30-BD	2MP	6.5 mm to 162.5 mm	Included	n/a	2.0C-H6A-PTZ-DP30
Unity	D210-X-4.0CH6APTZDP30-BD	4MP	6.5 mm to 162.5 mm	Included	n/a	4.0C-H6A-PTZ-DP30
Alta	D210-X-2.0CH6APTZDP30-30-BD	2MP	6.5 mm to 162.5 mm	Included	30	2.0C-H6A-PTZ-DP30-30
Alta	D210-X-4.0CH6APTZDP30-30-BD	4MP	6.5 mm to 162.5 mm	Included	30	4.0C-H6A-PTZ-DP30-30
Alta	D210-X-2.0CH6APTZDP30-60-BD	2MP	6.5 mm to 162.5 mm	Included	60	2.0C-H6A-PTZ-DP30-60
Alta	D210-X-4.0CH6APTZDP30-60-BD	4MP	6.5 mm to 162.5 mm	Included	60	4.0C-H6A-PTZ-DP30-60
Alta	D210-X-2.0CH6APTZDP30-120-BD	2MP	6.5 mm to 162.5 mm	Included	120	2.0C-H6A-PTZ-DP30-120
Alta	D210-X-4.0CH6APTZDP30-120-BD	4MP	6.5 mm to 162.5 mm	Included	120	4.0C-H6A-PTZ-DP30-120
Alta	D210-X-2.0CH6APTZDP30-365-BD	2MP	6.5 mm to 162.5 mm	Included	365	2.0C-H6A-PTZ-DP30-365
Alta	D210-X-4.0CH6APTZDP30-365-BD	4MP	6.5 mm to 162.5 mm	Included	365	4.0C-H6A-PTZ-DP30-365

Specifications

Spectrum D210-X-x.0CH6APTZDP30-xxx-BD

Image Performance

Image Sensor	1/2.8” progressive scan CMOS
Active Pixels	2MP - 1920 (H) × 1080 (V) 4MP - 2560 (H) x 1440 (V)
Dynamic Range	80 dB
Image Rate	50 Hz/ 60 Hz (25fps / 30 fps

Lens

Lens	6.5mm to 162.5mm, F/1.6 - F/4.8
Lens Control	Remote Zoom and Focus, Autofocus, Auto Iris
Angle of view	Wide: 58.1° (H) - 34.8° (V) Tele: 2.3° (H) x 1.4° (V)
Zoom	30x enhanced optical

Image Control

Video Compression	H.264
Streaming Resolutions	2MP: - Max: 1920 (H) x 1080 (V) High: 1280 (H) x 720 (V) Medium: 848 (H) x 480 (V) Low: 640 (H) x 360 (V) 4MP: - Max: 2560 (H) x 1440 (V) High: 1920 (H) x 1080 (V) Medium: 1280 (H) x 720 (V) Low: 640 (H) x 360 (V)
Electronic Shutter Control	Automatic
Iris Control	Automatic
Day/Night Control	Automatic, Manual
Flicker Control	On / Off
White Balance	Automatic

Network

Network	100BASE-TX, 1000BASE-T with Auto MDI/MDI-X
Cabling Type	CAT5e minimum
Connector	RJ-45
ONVIF	ONVIF. Profile S, Profile T, Profile G, Profile M
Security	Password protection, HTTPS encryption
Protocol	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, ARP, HSTS
Streaming Protocols	WebRTC, RTP/RTSP/UDP, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP
Secure Boot	Yes
Explosion-proof Certifications	**USA (Divisions):** Class I Division 1 Groups B,C,D T6, type 4X, IP66/67 Class II/III, Division 1, Groups E,F,G T6 Ta = -20°C to +55°C Certificate: FM17US0156X **USA and Canada (Zones):** Class I, Zone 1, AEx/Ex db IIB+H2 T6 Gb Ta -20°C to +55°C, Type 4X, IP66/67 Zone 21, AEx/Ex tb IIIC T85 °C Db Ta = -20°C to +55°C, Type 4X, IP66/67 Certificate: FM17US0156X and FM18CA0103X **ATEX:** II 2 G Ex db IIB+H2 T6 Gb Ta = -20°C to +55°C, IP66/67 II 2 D Ex tb IIIC T85 °C Db Ta = -20°C to +55°C, IP66/67 Certificate: FM18ATEX0057X **IECEx:** Ex db IIB+H2 T6 Gb Ta = -20°C to +55°C, IP66/67 Ex tb IIIC T85 °C Db Ta = -20°C to +55°C, IP66/67 Certificate: FMG 18.0020X **INMETRO:** Ex db IIB+H2 T6 Gb Ta = -20°C to +55°C, IP66/67 Ex tb IIIC Db T85 °C Ta = -20°C to +55°C, IP66/67 Certificate number: NCC 20.0083 X

Supported Analytics

Detected Attributes	Small/Medium Vehicles (sedan, SUV, pickup truck, etc.) Large Vehicles (bus, truck) Two-wheeled Vehicles (bicycle, motorcycle) Unclassified Vehicles Fall detection Accessories: With bag, Without bag, Bag Held, Picked-up, Dropped Color: Only this color, Ignore this color, Upper body color, Lower body color * Face search * Face watchlists * - Requires additional license. Check national and local legislation for guidance on the use of face search and face watchlists.

Supported Sounds

Detected Attributes	Glass breaking Loud noise Gun shot Screaming Smoke alarm Car alarm Ultrasound panic alarm Dog bark Tire screeching * - Requires compatible microphone.

Analytical Rules

Appearance	Rule triggered when an object of the selected type and attributes appears
Loitering	Rule triggered when an object of the selected type and attributes loiters for the selected period of time
Counts	Rule triggered when the count of objects of the selected type either exceeds or is less than the selected threshold
* Sounds	Rule triggered when sounds of specified types is detected * - Requires compatible microphone. Requires additional license for listening/recording of audio

General

Casing (x)	A = Aluminum or S = Stainless Steel
Weight	A = 32 lbs (14 kg) or S = 68 lbs (31kg)
Dimensions	Height: 15.9 in (404 mm) ø 8.6 in (218 mm)
Power	IEEE 802.3at Type 2, Class 4 compliant* - 70 W IEEE 802.3bt Type 3, Class 6 compliant* - 70 W IEEE 802.3bt Type 4, Class 8 compliant* - 70 W * - Using anything less than a Type 4, Class 8 PSE will result in reduced environmental and pan/tilt speed specs.
Storage Conditions	-10 °C to +70 °C (14 °F to 158 °F) Humidity 0-95%, non-condensing
Operating Conditions	-20°C to +55°C
Warranty	5-year limited warranty, see spectrumcamera.com/warranty for more information
Approvals	**Hazardous Area** FM3600, FM3615, ANSI/ISA/EN/IEC/CAN/CSA-C22.2 60079-0, ANSI/UL/EN/IEC/CAN/CSA-C22.2 60079-1, ANSI/UL/IEN/EC/CAN/CSA-C22.2 60079-31 **EMC** EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 **Safety** IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252 **Environment** IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9) **Network** NIST SP500-267

Approvals & Dimensions

FM APPROVED

CERT NO. FM17US0156X

SPECTRUM CAMERA SOLUTIONS
SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY

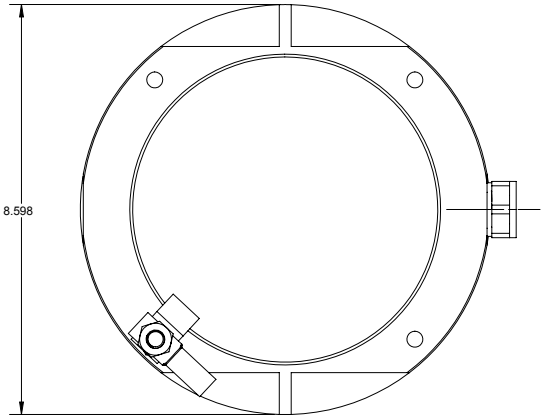
8935 ALMEDA GENOA RD.
HOUSTON, TEXAS 77075
USA

INPUT: IEEE 802.3bt Type 3, Class 6, 60W PoE
MODEL NUMBER: D210-X-*.0CH6APTZDP30** SERIAL:

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 C US APPROVED

MADE IN USA
CERT NO.
FM17US0156X
FM18CA0103X

CE 2809
UKCA 1725

MODEL: D210-X-*.0CH6APTZDP30** **SERIAL:**
INPUT: IEEE 802.3bt Type 3, Class 6, 60W PoE
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

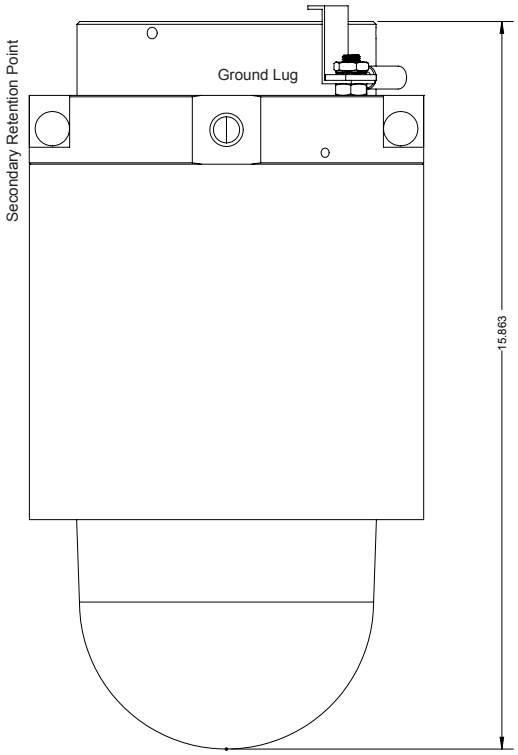
Ex II 2 G Ex db IIB+H2 T6 Gb Ta = -20°C to +55°C, IP66
II 2 D Ex tb IIIC T85°C Db Ta = -20°C to +55°C, IP66

CERT NO. FM18ATEX0057X, IECEx FMG 18.0020X, FM22UKEX0028X

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
No. SÉRIE: TIME-DY-MN-YEAR

FABRICADO NO EUA
CERT NO. NCC 20.0083 X
MODELO: D210-X-*.0CH6APTZDP30**-BD
ALIMENTAÇÃO: IEEE 802.3bt Type 3, Class 6, 60W PoE

Segurança
OCP 0034 INMETRO
Ex db IIB+H2 T6 Gb
Ex tb IIIC T85°C Db IP66/IP67
Ta = -20°C to +55°C
NCC 20.0083 X

NCC 20.0083 X
Ex db IIB+H2 T6 Gb Ta = -20°C to +55,IP66
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