

Spectrum D210-A-2.0CH5APTZDP36-BD

Explosion-Proof 2MP PTZ dome Camera

Key Features

- 2MP
- 36x 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



Avigilon Camera Inside



Description

Spectrum D201-A-2.0CH5APTZDP36-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 capabilities for evidentiary detail. This powerful camera delivers high-quality, detailed images with up to 36x zoom, which is ideal for critical infrastructure and safety. Enclosed in a patented red aluminum explosion-proof housing, it's certified (cFMus, ATEX, IECEx, INMETRO, and UKCA approved) for use in potentially combustible environments.

Part Number	MP	WDR	Low-light Technology	Lens	Analytics	H.265 Technology	Avigilon Technology
D210-2.0CH5APTZDP36-BD	2MP	Included	Included	4.3 mm to 129 mm	Included	Included	2.0C-H5A-PTZ36

Specifications

Spectrum D201-A-2.0CH5APTZDP36-BD

Image Performance		Onboard storage	2 × microSD/microSDHC/microSDXC slot – minimum class 6; class 10/UHS-1 or better recommended. Currently one of the two SD card slots is available for onboard storage.
Image Sensor	1/2.8" progressive scan CMOS	Supported Video Analytics	
Active Pixels	1980 (H) × 1080 (V)	Objects in Area	The event is triggered when the selected object type moves into the region of interest.
Imaging Area	4.8 mm × 2.7 mm; 0.189" × 0.106"	Objects Loitering	The event is triggered when the selected object type stays within the region of interest for an extended amount of time.
Minimum Illumination	0.1 lux (F/1.6) in color mode; 0.03 lux (F/1.6) in monochrome	Objects Crossing Beam	The event is triggered when the specified number of objects have crossed the directional beam that is configured over the camera's field of view. The beam can be unidirectional or bidirectional.
Dynamic Range	120+ dB	Object Appears or Enters Area	The event is triggered by each object that enters the region of interest. This event can be used to count objects.
Image Rate	Up to 60 fps	Object Not Present in Area	The event is triggered when no objects are present in the region of interest.
Aspect Ratio (Resolution scaling)	Down to (16:9) 384×216 or (5:4) 320×256	Objects Enter Area	The event is triggered when the specified number of objects have entered the region of interest.
3D Noise Reduction Filter	Yes	Objects Leave Area	The event is triggered when the specified number of objects have left the region of interest.
Lens		Object Stops in Area	The event is triggered when an object in a region of interest stops moving for the specified threshold time.
Lens	4.3mm to 129mm, F/1.6 - F/4.7, autofocus	Direction Violated	The event is triggered when an object moves in the prohibited direction of travel.
Angle of view	63.7° - 1.9°	Tamper Detection	The event is triggered when the scene unexpectedly changes.
Zoom	36x (with image stabilization off), 30x(with image stabilization on)	Supported Classified Object types	
Image Control		Object Types in Outdoor Mode	Vehicle, sub-types: Car, Truck, Bicycle, Motorcycle, Bus Person
Video Compression	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG	Object Types in Indoor Mode	Person
Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG	General	
Motion Detection	Pixel motion: Selectable sensitivity and threshold. Classified object detection	Casing (x)	A = Aluminum
Electronic Shutter Control	Automatic, Manual (1/1 to 1/10,000 sec)	Weight	A = 32 lbs (14 kg)
Iris Control	Automatic, Open, Closed	Dimensions	Height: 15.9 in (404 mm) ø 8.6 in (218 mm)
Day/Night Control	Automatic, Manual	Power	IEEE 802.3bt, 60 WPoE
Flicker Control	60 Hz, 50 Hz	Storage Conditions	-10 °C to +70 °C (14 °F to 158 °F) Humidity 0-95%, non-condensing
White Balance	Automatic, Manual	Operating Conditions	-20°C to +55°C
Backlight Compensation	On/Off	Warranty	3-year limited warranty, see spectrumcamera.com/warranty for more information
Privacy Zones	3D, up to 64 zones	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/IEC/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
Presets	500 named presets		
Tours	10 named tours		
Audio Compression Method	G.711		
Digital Zoom	Up to 100x		
Electronic Image Stabilization	Yes		
Digital Defog	Adjustable/Off		
Network			
Network	100BASE-TX		
Cabling Type	CAT5e		
Connector	RJ-45		
ONVIF	ONVIF compliance version 1.02, 2.00, Profile S, Profile T, Profile G (www.onvif.org)		
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication, FIPS 140-2 L1		
Protocol	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP		
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP		
Device Management Protocols	SNMP v2c, SNMP v3		
Peripherals			
Audio Input/Output	Line level input and output		
External I/O Terminals	2 Alarm in, 2 Alarm out		

Specifications (continued)

Explosion-proof Certifications	<p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p>
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Approvals & Dimensions



SPECTRUM
CAMERA SOLUTIONS

SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY

8935 ALMEDA GENOA RD.
HOUSTON, TEXAS 77075
USA

CERT NO. FM17US0156X

INPUT: IEEE 802.3bt, 60 WPoE

MODEL NUMBER: D210-A-2.0CH5APTZDP36-BD 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




SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY

8935 ALMEDA GENOA RD. HOUSTON, TEXAS 77075 USA



MADE IN USA

CERT NO. FM17US0156X
FM18CA0103X



2809
1725

MODEL: D210-A-2.0CH5APTZDP36-BD **SERIAL:**

INPUT: IEEE 802.3bt, 60 WPoE

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, 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



SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY

8935 ALMEDA GENOA RD. HOUSTON, TEXAS 77075 USA


No. SERIE: TIME-DY-MN-YEAR

FABRICADO NO EUA

CERT NO. NCC 20.0083 X

MODELO: D210-A-2.0CH5APTZDP36-BD

ALIMENTAÇÃO: IEEE 802.3bt, 60 WPoE



NCC 20.0083 X

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

ATENÇÃO:

- ENTRADAS DE CABOS M20 X 1.5
- NÃO ABRA ENQUANTO UMA ATMOSFERA EXPLOSIVA PUDE 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

