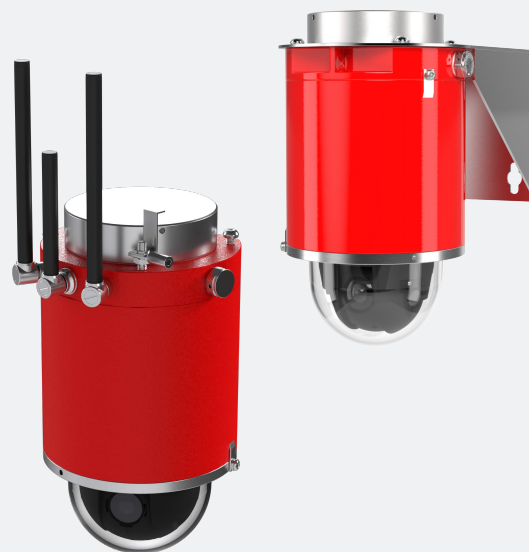


Spectrum-D203-X-XNP-C9253-BD

Explosion-Proof Ultra-HD 8MP (4K) AI PTZ PLUS Camera

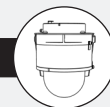
Key Features

- UHD 8MP (4K) Resolution
- 5 ~ 125mm (25x) Optical Zoom
- 32x Digital Zoom
- Intelligent Analytics
- Object Tracking - (Person, Vehicle)
- Target Lock Tracking
- H.264, H.265, MJPEG codec, WiseStream III
- Reliable Securing Kit (SD-RSK) included
- Made in USA
- NDAA-Compliant
- cFMus, Class I/II/III, Division 1, Zone 1/21, IECEx, ATEX and INMETRO approved.
- Operating Temperature: -20°C to +55°C



Hanwha Camera Inside

Hanwha Vision



Description

Spectrum D203-X-XNP-C9253-BD Explosion-Proof AI PTZ PLUS camera provides Ultra-HD 8MP (4K) image resolution with 25x Optical Zoom and 32x Digital Zoom for outstanding video quality. Enclosed in a patented stainless-steel or red powder coated Marine-Grade aluminum explosion-proof housing, it's certified (cFMus, IECEx, ATEX and INMETRO approved) for use in potentially combustible environments.

Part Number	Description	MP	Image Sensor
D203-X-XNP-C9253-BD-01-01	PoE+ - IEEE 802.3at	8MP	1/2.8
D203-X-XNP-C9253-BD-02-02	Media Converter (SFP) - 120 / 240 VAC - 50 / 60 Hz	8MP	1/2.8
D203-X-XNP-C9253-BD-02-03-02-RUT241	Wireless - Teltonika 4G - 120 / 240 VAC - 50 / 60 Hz	8MP	1/2.8
D203-X-XNP-C9253-BD-02-03-02-RUT271	Wireless - Teltonika 5G - 120 / 240 VAC - 50 / 60 Hz	8MP	1/2.8

For 4G and 5G wireless models please add first suffix for operating region, eg (01 - Global, 02 - North America). Please call the office for more options
 For 4G and 5G wireless models please add second suffix for antenna type - (L - LTE), (W - Wi-Fi), (LW - LTE + Wi-Fi) and (LLW - LTE + LTE + Wi-Fi)



Specifications

Spectrum D203-X-XNP-C9253-BD

Camera		System integration	
Image sensor	1/2.8" CMOS	Application programming interface	ONVIF@: Profile G, Profile M, Profile S and Profile T Others: SUNAPI(HTTP API), Hanwha Vision Open Platform
Lens	5 ~ 125 mm, F1.6-3.73 Horizontal field of view: 57.42° ~ 2.71° Vertical field of view: 33.54° ~ 1.55° DC Auto Iris		
Day and night	Auto ICR		
Minimum illumination	Color: 0.1 lux at 30 IRE B/W: 0.01 lux at 30 IRE		
Shutter speed	2 ~ 1/12,000 s		
Shutter control	Minimum, Maximum, Anti flicker, Prefer shutter control (Based on AI engine)		
Pan/Tilt/Zoom	Pan: 360° endless Tilt: 90° ~ -20° Zoom: 25x optical, 32x digital, total 800x zoom Sequence: Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule Preset Accuracy: Up to ±0.1°, Pan/Tilt correction		
Minimum illumination	Color: 0.1 lux at 30 IRE B/W: 0.01 lux at 30 IRE		
Backlight compensation	BLC, HLC, WDR, SDDR		
Digital noise reduction	WiseNR II (Based on AI engine), SSNR V		
White balance	ATW, NarrowATW, AWC, Manual, Indoor, Outdoor, Mercury, Sodium		
Motion detection	Quantity: 8ea Shape: 8point Polygonal zones		
Privacy Masking	Quantity: 32ea Shape: 4point Quadrangle zones Color / Option: Gray, Green, Red, Blue, Black, White, Mosaic		
Gain control	Off, Max gain, Manual		
System on chip (SoC)		Analytics	
Memory	4 GB RAM, 512 MB Flash	Event triggers	Analytics, Network disconnect, Alarm input, Time schedule, MQTT subscription
Video		Event actions	File upload(image): e-mail/FTP/SFTP, File upload(video clip): FTP/SFTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers, Alarm output, Handover: PTZ preset, send message by HTTP/HTTPS/TCP, Audio clip playback, MQTT: publication
Video compression	H.265/H.264: Main/Baseline/High, MJPEG		
Frame rate	H.265/H.264: 30fps/25fps(60Hz/50Hz) MJPEG: 30fps(@8MP Max. 5fps)		
Resolution	3840x2160, 2592x1944, 2592x1464, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240		
Video rotation	Flip & Mirror		
Smart codec	Manual, WiseStream III		
Bitrate control	H.265/H.264: CBR or VBR, MJPEG: VBR		
Streaming	Unicast: Up to 20 users Multicast: Support Multiple Streaming: Up to 10 profiles		
Network			
Supported protocols	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SFTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), MQTT, NTCP 1205		
		Object Analytics	Object classes: Person, Face, Vehicle, (car, bus, truck, motorcycle, bicycle), License plate Thumbnail: DetectionShot Based on AI Type: Object detection, Virtual line (Crossing/Direction), Virtual area (Loitering/ Intrusion/Enter/Exit), Motion detection Normal: Tampering, Fog detection, Audio detection, Sound classification, Shock detection, Virtual area(Appear/Disappear)
		Security	
		Network Authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
		Secure Communication	HTTPS, WSS (WebSocket Secure), SRTP
		Access Control	IP-based access control
		Data Protect	Encryption credentials, Encrypt compress for live recording file export
		Audit	Access / System / Event Log management
		Security certificate	TPM 2.0 with FIPS 140-2 level2
		General	
		Casing (x)	A = Aluminum S = Stainless Steel
			A = 32 lbs (14 kg) S = 68 lbs (28 kg)
		Weight	
		Dimensions	Height: 15.9 in (404 mm) ø 8.6 in (218 mm)
		Power Consumption PoE	Max. 25.5W, Typical 24W
		Input Voltage	PoE+ (IEEE802.3at, Class4)
		Storage Conditions	-40°C to 65°C
		Operating Conditions	-20°C to +55°C Humidity 10-100% RH (condensing)
		Warranty	5-year limited warranty, see spectrumcamera.com/warranty for more information

Approvals & Dimensions

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/EN/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

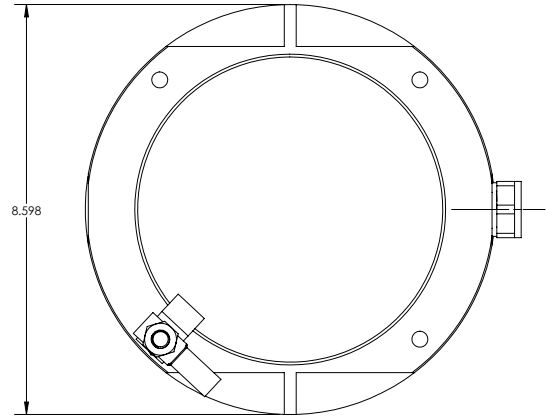
IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252

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



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

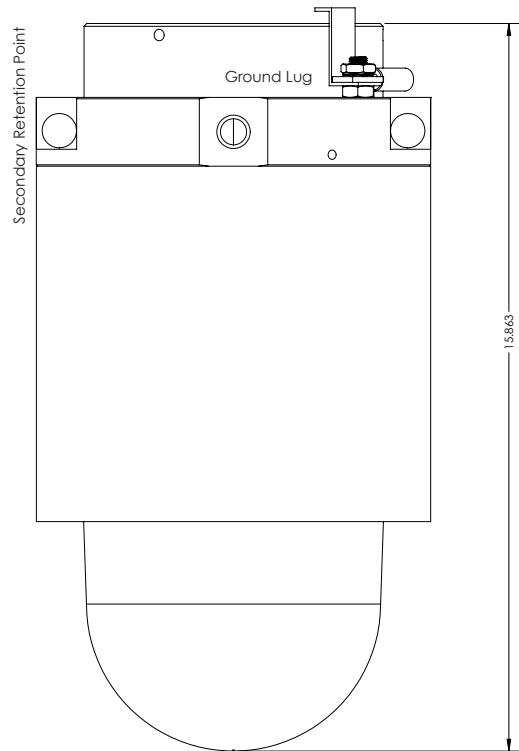
Certificate: FMG 18.0020X

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



8935 ALMEDA GENOA RD.
HOUSTON, TEXAS 77075
USA



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



MADE IN USA
CERT NO.
FM17US0156X
FM18CA0103X



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: D203-A-XNP-C9253-BD
ALIMENTAÇÃO:IEEE802.3at; 25.5W

CERT NO. FM17US0156X
INPUT: IEEE802.3at; 25.5W

SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY

MODEL NUMBER: D203-A-XNP-C9253-BD

SERIAL:

Class I Division 1 Groups B,C,D T6, Type 4X, IP66

Class II/III, Division 1, Groups E,F,G T6

Ta = -20°C to +55°C

-WARNINGS: -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

MODEL: D203-A-XNP-C9253-BD
INPUT: IEEE802.3at; 25.5W

SERIAL:

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



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 PUDEIR ESTAR PRESENTE

- INSTALAR ANEL DE VEDAÇÃO NAS ENTRADAS

- NÃO ABRIIR QUANDO ENERGIZADO

- RISCO POTENCIAL DE CARGA ELETROSTÁTICA - VER INSTRUÇÕES

-Patente EUA 9917428

-Patente EUA D858611