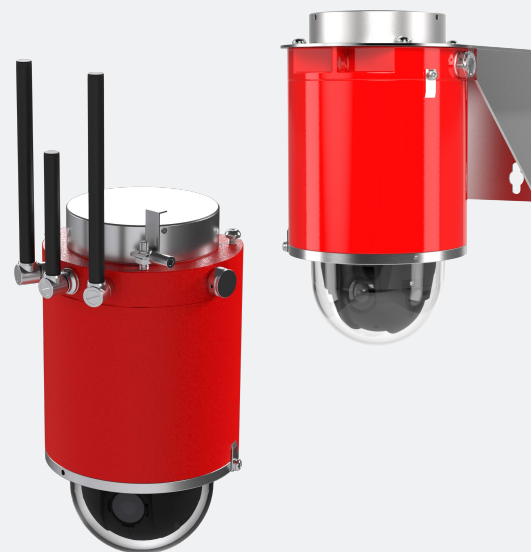


Spectrum-D203-X-XNP-C8253-BD

Explosion-Proof Ultra-HD 6MP AI PTZ PLUS Camera

Key Features

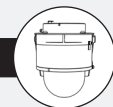
- 6MP Resolution
- 5 ~ 125mm (25x) Optical Zoom
- 32x Digital Zoom
- Intelligent Analytics
- Object Tracking - (Person, Vehicle)
- Target Lock Tracking
- H.264, H.265, MJPEG codec, WiseStream II
- Reliable Securing Kit (SD-RSK) included
- Made in USA
- NDAA-Compliant
- cFMus, Class I/II/III, Division 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-C8253-BD Explosion-Proof AI PTZ PLUS camera provides 6MP 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-C8253-BD-01-01	PoE+ - IEEE 802.3at	6MP	1/2.8
D203-X-XNP-C8253-BD-02-02	Media Converter (SFP) - 120 / 240 VAC - 50 / 60 Hz	6MP	1/2.8
D203-X-XNP-C8253-BD-02-03-02-RUT241	Wireless - Teltonika 4G - 120 / 240 VAC - 50 / 60 Hz	6MP	1/2.8
D203-X-XNP-C8253-BD-02-03-02-RUT271	Wireless - Teltonika 5G - 120 / 240 VAC - 50 / 60 Hz	6MP	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-C8253-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(@6MP Max. 5fps)		
Resolution	3328x1872, 3072x1728, 2688x1520, 2592x1944, 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		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)
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, NTCIP 1205	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/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

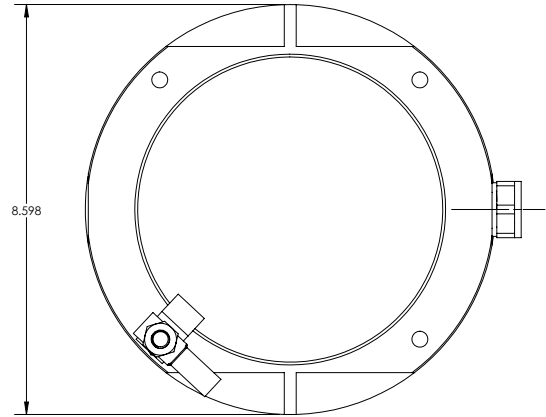
IEC/EN/UL 60950-22, IEC/EN/UL 62368-1, IS 13252

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

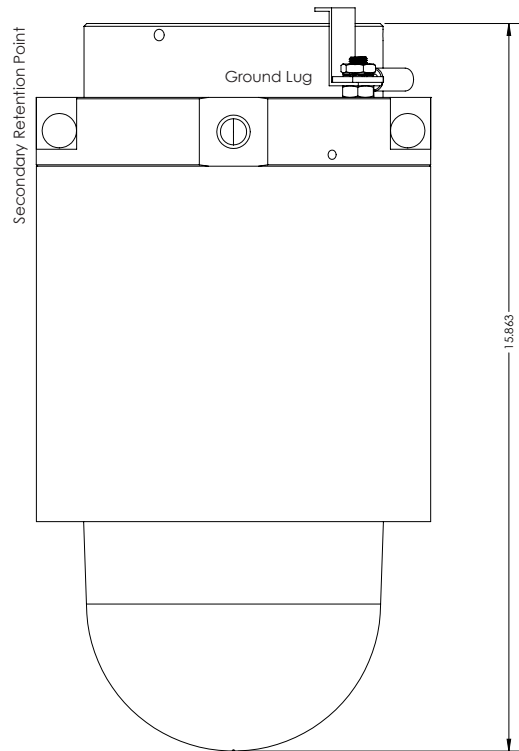
Certificate: FMG 18.0020X

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



MADE IN USA
CERT NO.
FM17US0156X
FM18CA0103X



FABRICADO NO EUA
CERT NO. NCC 20.0083 X
MODELO: D203-A-XNP-C8253-BD
ALIMENTAÇÃO: IEE802.3at; 25.5W

CERT NO. FM17US0156X
INPUT: IEE802.3at; 25.5W
MODEL NUMBER: D203-A-XNP-C8253-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-C8253-BD
INPUT: IEE802.3at; 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 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