

2310131039

DS-2DY9236I-CWX(T5/316L) 2MP Network Ex-Proof PTZ Positioning System

Network EX-proof Camera

- 1/1.8" progressive scan CMOS
- Up to 1920 × 1080 @ 30 fps resolution
- Min. illumination: Color: 0.0005 Lux @(F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
- 36 × optical zoom, 16 × digital zoom
- 120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus
- Up to 150 m IR distance
- Support H.265+/H.265 video compression
- ATEx: II 2 G Ex db IIC T6 Gb, II 2 D Ex tb IIIC T80°C Db
- IECEx: Ex db IIC T6 Gb, Ex tb IIIC T80°C Db

ONVIF Conformant | Onboard communication | Atex | H.264

Description

The DS-2DY9236I-CWX(T5/316L) 2MP Network Ex-Proof PTZ Positioning System has Dark Fighter technology that dramatically improves nighttime performance. It also adopts a 1/1.8" progressive scan CMOS chip and with the 36× optical zoom lens and 16x digital zoom, the positioning system offers more detail over expansive areas.

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The camera supports H.265+/ H.265 video compression making it ideal for use in a CCTV system because this reduces the bandwidth required for transmission without reducing the image quality. Additionally, it has an IR distance of up to 150 m.

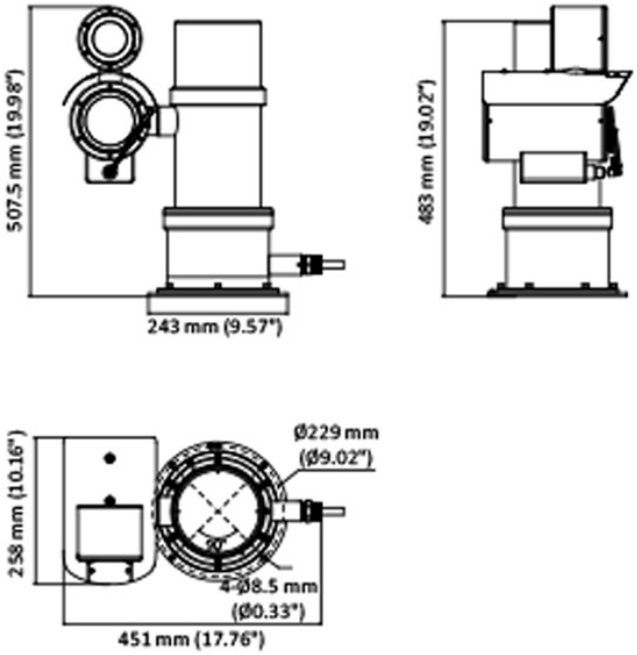
The DS-2DY9236I-CWX(T5/316L) 2MP Network Ex-Proof PTZ Positioning System is equipped with an explosion-proof enclosure made of stainless steel for use in areas where professional anti-corrosion protection is a must. Therefore, it is an excellent fit for the maritime industry. It has ATex (II 2 G Ex db IIC T6 Gb, II 2 D Ex tb IIIC T80°C Db) and IECEx (Ex db IIC T6 Gb, Ex tb IIIC T80°C Db) certifications allowing it to be used in harsh environments that require explosion proof equipment.

Technical Dimensions

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Specifications

CAMERA	
Image Sensor	1/1.8" progressive scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Speed	1/1 s~1/30000 s
Day & Night	ICR
Zoom	36 × optical, 16 × digital
Slow Shutter	yes

LENS	
Focal Length	6.0~216 mm, 36 × optical
FOV	Horizontal field of view: 59° to 1.98° (wide-tele)
	Vertical field of view: 34.16° to 1.12° (wide-tele)
	Diagonal field of view: 67.1° to 2.3° (wide-tele)
Focus	Auto/ Semi-automatic / Manual
Aperture	F1.2
Zoom Speed	approx. 4.6 s

ILLUMINATOR	
Supplemental Light Type	IR
Supplemental Light Range	150 m
Smart Supplemental Light	yes
IR Wavelength	850 nm

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PTZ

Movement Range (Pan)	360° endless
Movement Range (Tilt)	From -90° to 90° (auto flip)
Pan Speed	Configurable, from 0.1°/s to 50°/s
	Preset speed: 50°/s
Tilt Speed	Configurable, from 0.1°/s to 40°/s
	Preset Speed: 40°/s
Proportional Pan	yes
Presets	300
Preset Freezing	yes
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Park Action	Preset / Pattern Scan / Patrol Scan / Auto Scan / Tilt Scan / Random Scan / Frame Scan / Panorama Scan
3D Positioning	yes
PTZ Status Display	yes
Scheduled Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output
Power-off Memory	yes

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VIDEO

Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720)
	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288)
	60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)
	60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	Main Stream: H.265+ / H.265 / H.264+ / H.264
	Sub-stream: H.265 / H.264 / MJPEG
	Third Stream: H.265 / H.264 / MJPEG
Video Bit Rate	32 Kbps to 16384 Kbps
H.264 Type	Baseline Profile / Main Profile / High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	Support
Region of Interest (ROI)	8 fixed regions for each stream

AUDIO

Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM
Audio Bit Rate	64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32-192 Kbps (MP2L2)
Audio Sampling Rate	8 kHz / 16 kHz / 32 kHz / 48 kHz
Environmental Noise Filtering	yes

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NETWORK

Protocols	IPv4 / IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP / IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, Websocket, Websockets
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Smooth Streaming	yes
User / Host	Up to 32 users, 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	iVMS-4200, HikCentral Pro, Hik-Connect
Web Browser	IE11, Chrome 57+, Firefox 52+, Safari 11+

IMAGE

Image Parameters Switch	Yes
Image Settings	saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Day / Night Switch	auto
Wide Dynamic Range (WDR)	120 dB WDR
SNR	≥ 52 dB
Defog	Optical defog
Image Enhacement	HLC / BLC / 3D DNR / Defog / EIS / Regional Exposure / Regional Focus
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable

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INTERFACE

Ethernet Interface	1 RJ45 10 M/100 M Ethernet
On-board Storage	support microSD / microSDHC / microSDXC cards, up to 256 GB
Audio	1-ch audio input and 1-ch audio output
Alarm	7-ch alarm input and 2-ch alarm output
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)

EVENT

Basic Event	Motion detection, video tampering alarm, exception, alarm input and output
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
Alarm Linkage	Manual tracking, Event tracking
Smart Tracking	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)

DEEP LEARNING FUNCTION

Face Capture	1. Detects up to 10 faces simultaneously
	2. Uploads face with background and close-up face pictures
	3. Supports detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face

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GENERAL	
Power	100 VAC to 240 VAC
	Max. 100 W (Max. 15 W for IR)
Dimensions	451 mm × 258 mm × 507.5 mm
Weight	37.6 kg
Material	SUS316L with anti-corrosion surface spray treatment
Operating Condition	-40°C to 60°C (-40°F to 140°F), Working Humidity≤ 90%
General Function	Anti-flicker, heartbeat, mirror, flash log, password reset via e-mail, pixel counter, password protection, one-key reset, three streams
Wiper	yes

APPROVAL	
EMC	FCC (47 CFR Part 15, Subpart B)
	CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014)
	RCM (AS/NZS CISPR 32: 2015)
	IC (ICES-003: Issue 7)
	KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 62368-1)
	CB (IEC 62368-1:2014+A11)
	CE-LVD (EN 62368-1:2014/A11:2017)
	BIS (IS 13252(Part 1):2010/ IEC 60950-1 : 2005)
	LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU)
	WEEE (2012/19/EU)
	Reach (Regulation (EC) No 1907/2006)
Protection	IP68, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Explosion-Proof Protection	Ex-mark: ATEX: Ex II 2GD Ex db IIC T6 Gb /Ex tb IIIC T80 Db; IECEx: Ex db IIC T6 Gb /Ex tb IIIC T80 Db

Accessories

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Ex-Proof Junction Box DS-2780ZJ-X/316L

Junction Box

Item Number: 2310131036

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