

2310131041

DS-2DF6231-CX (T5/316L) 2MP Network Dome EX-proof PTZ Camera

Ex proof PTZ Camera

- 1/1.8" progressive scan CMOS
- 31 × optical zoom
- Focal length 5.9 mm to 182.9 mm
- H.265+/H.265
- 120 dB True WDR Technology
- IP68
- ATEx
- IECEx

Atex

Description

The DS-2DF6231-CX (T5/316L) 2MP Network Dome EX-proof PTZ Camera adopts a1/1.8" progressive scan CMOS chip and has high quality imaging with 2 MP resolution. It has 31x optical zoom and a focal length of 5.9 mm to 182.9 mm.

DS-2DF6231-CX (T5/316L) 2MP Network Dome EX-proof PTZ Camera

The network PTZ camera features efficient H.265+/H.265 compression technology which reduces the bandwidth required for transmission without reducing the image quality. It features 3D DNR and low bitrate technology that delivers clean and sharp images. Additionally, it has clear imaging against strong back light due to 120 dB true WDR technology. Thus, making it an ideal choice for CCTV surveillance use.

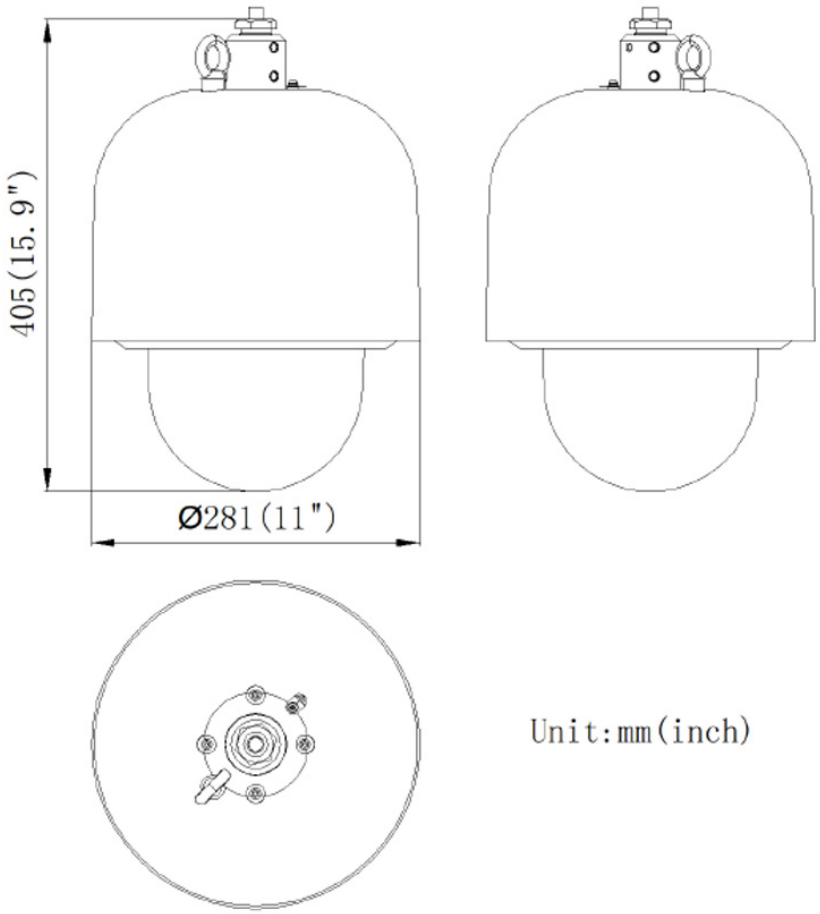
The DS-2DF6231-CX (T5/316L) 2MP Network Dome EX-proof PTZ Camerais equipped for use in areas where professional anti-corrosion protection is a must. It has IP68 rating for water and dust resistance as well as ATEx (II 2 G Ex db IIC T6 Gb, II 2 D Ex tb IIIC T80°C Db)and IECEx (Ex db IIC T6 Gb, Ex tb IIIC T80°C Db) certifications for use in harsh environments that require explosion proof equipment.

Technical Dimensions

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Specifications

CAMERA

Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.0005 Lux @ (F1.5, AGC ON)
	B/W: 0.0001 Lux @ (F1.5, AGC ON)
Shutter Speed	1/1 s to 1/30,000 s
Slow Shutter	yes
Day & Night	IR Cut Filter
Day/Night Switch	auto
BLC	yes
WDR	120 dB
HLC	yes
Focus	semi-auto, manual, auto
3D DNR	yes
Defog	yes
EIS	yes
Regional Exposure	yes
Regional Focus	yes
Image Settings	saturation, brightness, contrast, sharpness
Image Parameters Switch	yes
White Balance	auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, Locked WB
Digital Zoom	16 ×
Optical Zoom	31 x
Privacy Mask	up to 24 masks
SNR	52dB
General Function	mirror, password protection, watermark, IP address filter
Gain Control	auto, manual

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LENS

Focal Length	5.9 mm to 182.9 mm, 31 × optical zoom
Zoom Speed	Approx. 5.6 s (Optical Lens, Wide-Tele)
FOV	Horizontal field of view: 58.5° to 2.4° (wide-tele)
	Vertical field of view: 34° to 1.3° (wide-tele)
	Diagonal field of view: 65.8° to 2.7° (wide-tele)
Aperture	F1.5

PTZ

Movement Range (Pan)	360° endless
Movement Range (Tilt)	From 0° to 90° (Auto Flip)
Pan Speed	Configurable, from 0.1°/s to 300°/s, Preset speed: 540°/s
Tilt Speed	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/s
Proportional Zoom	yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Power-off Memory	yes
Park Action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
3D Positioning	yes
PTZ Status Display	yes
Preset Freezing	yes
Scheduled Task	preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
Exception Detection	IP address conflict, HDD full, illegal login, HDD error, network disconnected

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VIDEO

Max. Resolution	1920 x 1080
Stream Type	main stream, sub-stream, third stream
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 Bit Rate	32 kbps to 16384 kbps
H.264 Type	baseline profile, main profile, high profile
H.265 Type	main profile
H.264+	yes
H.265+	yes
SVC	yes
ROI	yes

AUDIO

Audio Compression	G.711alaw/ G.711ulaw/ G.722.1/ G.726/ MP2L2/ PCM
Audio Bit rate	G.722.1: 16Kbps
	G.711ulaw: 64Kbps
	G.711alaw: 64Kbps
	MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps;
Audio Sampling Rate	MP2L2: 16kHz, 32kHz, 48kHz
	PCM: 8kHz, 16kHz,32kHz, 48kHz
Environmental Noise Filtering	yes

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SMART FEATURES

Basic Event	motion detection, video tampering alarm, alarm input, alarm output, exception
Smart Event	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
Alarm Linkage	Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.
Smart Encoding	H.265+, H.264+, low bit rate, ROI, SVC
Smart Tracking	manual tracking, event tracking
Smart Record	ANR, Dual-VCA

NETWORK

Network Storage	NAS (NFS, SMB/ CIFS), ANR
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
API	Open-ended API, ISAPI, Hikvision SDK, Third-party management platform, Open Network Video Interface
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 levels: Administrator, Operator and User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	IE11, Chrome 57.0+, Firefox 52.0+, Safari 11+

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INTERFACE

On-board Storage	support microSD/ microSDHC/ microSDXC cards, up to 256 GB
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port
Alarm Input	7 alarm inputs
Alarm Output	2 alarm output
Audio Input	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%
Audio Output	1 audio output, line level, impedance: 600 Ω

DEEP LEARNING FUNCTION

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

GENERAL

Dimensions	Φ 281 mm × 405 mm
Power	100 VAC to 240 VAC (50/60 Hz), Max.: 60 W
Operating Conditions	Temperature: -40°C to 60°C, Humidity: ≤ 95%
Material	SUS316L with anti-corrosion surface spray treatment
Weight	22 kg
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

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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)
Protection	IP68, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection

Accessories



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

Junction Box

Item Number: 2310131036

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