

DS-2XE6545FWD-DXS Aluminum Alloy 4MP Explosion-Proof Fixed Turret





- Explosion-proof design: the camera has passed international ATEX & IECEx certifications, and can be used in gas and dust hazardous scenarios
- IP66/IP68 water and dust resistant, preventing water ingress for outdoor use
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements



Specification

Camera			
Image Sensor	1/2.7" Progressive Scan CMOS		
Max. Resolution	2688 × 1520		
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON),B/W: 0.002 Lux @ (F1.6, AGC ON)		
Shutter Time	1/3 s to 1/100,000 s		
Day & Night	IR cut filter		
Lens			
Focal Length & FOV	2.8 mm, horizontal FOV98.2°, vertical FOV54.2°, diagonal FOV114.6°		
	4 mm, horizontal FOV 78.8°°, vertical FOV 42.3°, diagonal FOV 93.4°		
Lens Mount	Integrated		
Aperture	F1.6		
Illuminator			
Supplement Light Type	Hybrid (IR and White)		
	IR: up to 30 m		
Supplement Light Range	White Light: up to 15 m		
IR Wavelength	850 nm		
HEOP			
	Memory: 60 MB,		
Open Resources	Smart RAM: 371 MB,		
·	eMMC: 2 GB		
Computing Power	1.5 TOPS		
	HEOP 2.0 OpendevSDK, Basic service, basic media capability, deep learning reasoning		
Open Capability	acceleration capability		
Deep Learning Structure	Caffe,PyTorch,TensorFlow,PaddlePaddle,ONNX		
Programming Language	C,C++,Go		
Al Open Platform			
	Supports 4 model packages, and each model package supports detecting 16 target		
	types and classifying 4 targets. The targets can be classified as 64 types. The device		
Model Specification	runs only 1 model at the same time.		
	Built-in CoalMineSafetyDetection		
Video			
	50 Hz: 25 fps (2688×1520, 2560×1440, 1920×1080, 1280×720)		
Main Stream	60 Hz: 30 fps (2688×1520, 2560×1440, 1920×1080, 1280×720)		
	50 Hz: 25 fps (704 × 576,640 × 480)		
Sub-Stream	60 Hz: 30 fps (704 × 480,640 × 480)		
	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)		
Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)		
5 11 61	50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		
Fourth Stream	60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		
	Main stream: H.264/H.264+/H.265/H.265+,		
Video Compression	Sub-stream: H.265/H.264/MJPEG,		
	305 30 cum. 11.203/11.204/11.51 EG,		
rideo compression	Third stream: H.265/H.264,		
video compression			
Video Bit Rate	Third stream: H.265/H.264,		



n Profile ,VBR 54 and H.265 encoding ked regions for main stream	
54 and H.265 encoding	
xed regions for main stream	
no sound	
G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC	
(bps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps	
2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)	
8 kHz/16 kHz/32 kHz/48 kHz	
/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP, DSocket, WebSockets, RTCP	
Up to 20 channels	
/IF (ProfileS, ProfileG, ProfileT),ISAPI,SDK,ISUP	
to 32 users	
er levels: administrator, operator, and user	
Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, TLS1.2, TPM 2.0(FIPS 140-2 level 2)	
(NFS, SMB/CIFS),Auto Network Replenishment (ANR)	
S-4200, Hik-Connect, Hik-Central	
Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+	
Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by clients of tware or web browser	
,Night,Auto,Schedule,Alarm Trigger	
dB	
2 dB	
BLC,3D DNR,HLC	
8 programmable polygon privacy masks	
45 10 M/100 M self-adaptive Ethernet port	
put (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input edance: 4.7 KΩ, interface type: non-equilibrium, utput (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output	
edance: 100 Ω, interface type: non-equilibrium	
put, 1 output (max. 12 VDC, 0.03 A)	



Event	
	Motion detection (support alarm triggering by specified target types (human and
Basic Event	vehicle)),video tampering alarm,exception (network disconnected, IP address conflict,
	illegal login, HDD full, HDD error), alarmin put and output, video quality diagnosis
	Unattended baggage detection, object removal detection, scene change
Smart Event	detection,audio exception detection,defocus detection
	Upload to FTP/NAS/memory card,notify surveillance center, send email, trigger alarm
Linkage	output,trigger recording,audible warning
Deep Learning Function	
	Line crossing, intrusion, region entrance, region exiting
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)
	Detects up to 10 faces simultaneously,
Face Capture	Supports swing left and right from -70° to 70°, tilt up and down from -50° to 50°,
	Uploads face with background and closed-up face pictures
People Counting	Yes
	Supports up to 8 detection regions, and independent arming schedule and linkage
	method
	Supports 2 detection modes: regional people queuing-up, waiting time detection
	Generates reports to compare the efficiency of different queuing-ups and display the
	changing status of one queue
Queue Management	Supports raw data export for further analysis
	Supports real-time data uploading and scheduled data uploading
	Regional people queuing-up: supports 4 alarm trigger conditions, including greater
	than threshold, less than threshold, equal to threshold, not equal to threshold
	Waiting time detection: supports 1 alarm trigger condition, including greater than
	threshold
	A graphic description of visits (by calculating amount of people or amount of dwell
Heat Map	time) in a configured area.,
	Two report types are available, space heat map and time heat map line chart.
	Supports up to 8 detection regions, and independent arming schedule and linkage
Regional People Counting	method
	Supports 3 detection modes: people density detection, number of people exception
	detection, waiting time exception detection
	Supports parameter settings: alarm times per exception, alarm interval, first alarm
	delay
	Supports searching real-time number of people
	People density detection: supports scheduled uploading, number of people change
	uploading, congestion level uploading
	Number of people exception detection: supports 6 alarm trigger conditions, including
	greater than threshold A, less than threshold A, equal to threshold A, not equal to
	threshold A, greater than threshold A and less than threshold B, less than threshold A
	or greater than threshold B (threshold A should be less than threshold B)
	Waiting time exception detection: supports 3 alarm trigger conditions, including
	greater than threshold A, less than threshold A, greater than threshold A and less than
	threshold B (threshold A should be less than threshold B)



	Supports up to 8 detection regions, and independent arming schedule and linkage		
On/Off Duty Detection	method		
On Daty Detection	Supports 2 detection modes: absence detection, on/off duty detection		
	Supports parameter settings: person on duty, absence duration		
General			
Power	12 VDC ± 10%, 0.5 A, max. 6 W,three-core terminal block,		
	PoE: IEEE 802.3af, 0.3 A to 0.2 A, Class 3, max. 7.5 W		
Material	aluminumalloy		
Dimension	148.7 mm × 143 mm × 156 mm (5.85" × 5.63" × 6.14")		
Package Dimension	203 mm × 203 mm × 269 mm (7.99" × 7.99" × 10.59")		
Weight	Approx. 1.83 kg (4.03 lb.)		
With Package Weight	Approx. 2.22 kg (4.89 lb.)		
Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)		
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian		
Language	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish		
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese		
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian		
General Function	Heartbeat,mirror,flash log,password reset via email,pixel counter,anti-banding		
Approval			
	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC		
ENAC.	61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021,		
EMC	RCM: AS/NZS CISPR 32: 2015,		
	IC: ICES-003: Issue 7		
Safety	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	IP66: IEC 60529-2013,IP68: IEC 60529-2013		
Explosion-Proof Protection	ATEX:		
	II 2G Ex db IIC T6 Gb		
	II 2D Ex tb IIIC T80°C Db		
	IECEx:		
	Ex db IICT6 Gb		
	Ex tb IIICT80°C Db		
	For explosive gas atmospheres, the maximum surface temperature is 85 °C;		
	For flammable dust atmospheres, the maximum surface temperature is 80 °C;		
	IIC: for explosive gas atmospheres other than mines susceptible to firedamp;		
	For explosive gas mixture atmospheres: Zone 1, Zone 2, Zone 21, and Zone 22.		

Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has no specific protection .

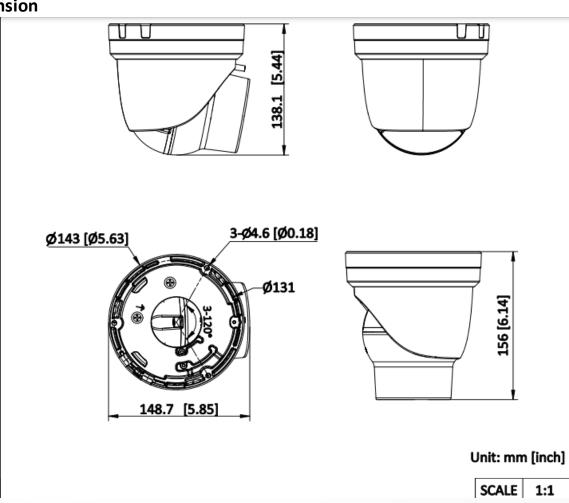


evel Description	
	Hikvision products at this level are equipped for use in
Top-level protection	areas where professional anti-corrosion protection is a
Top-rever protection	must. Typical application scenarios include coastlines,
	docks, chemical plants, and more.
	Hikvision products at this level are equipped for use in
	areas with moderate anti-corrosion demands. Typical
Moderate protection	application scenarios include coastal areas about 2
	kilometers (1.24 miles) away from coastlines, as well as
	areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in
No specific protection	areas where no specific anti-corrosion protection is needed.

Available Model

DS-2XE6545FWD-DXS(4mm) DS-2XE6545FWD-DXS(2.8mm)

Dimension



Accessory

Optional

DS-4413ZJ-PA	DS-2XE2702-M04(A	DS-2XE2601-1(CS)
	DC)	





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