

DarkFighter

## DS-2DF9C848I8XS-DLW(T2) 8 MP 48 × Network Laser Speed Dome



- 1/1.8" progressive scan CMOS
- Up to 3840 × 2160 resolution
- Color: 0.002Lux @ (F1.5, AGC ON), B/W: 0.0002Lux @ (F1.5, AGC ON)
- 48× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, EIS, OIS, HLC, Smart IR
- 36 VDC
- Up to 800 m laser distance
- Support H.265+/H.265 video compression
- Support Rapid focus
- IP67
- Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face.
- Support vehicle detection (license plate number, vehicle model, and vehicle color recognition)
- Person arming: supports real-time modeling and comparison, arms and tracks predefined persons
- Vehicle arming: supports vehicle detection and license plate recognition, arms and tracks predefined vehicles



## ▪ DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	4600 m (15091.9 ft)	1825 m (5987.5 ft)	920 m (3018.4 ft)	460 m (1509.2 ft)

## ▪ Specification

Camera Module	
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002 Lux @ (F1.5, AGC ON)
Shutter Speed	1/1 s to 1/30,000 s
Slow Shutter	yes
Focus	semi-auto, manual, auto
Day & Night	ICR
Day/Night Switch	day, night, auto, scheduled-switch
BLC	yes
WDR	120 dB WDR
HLC	yes
3D DNR	yes
Defog	yes
EIS	yes
OIS	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
Digital Zoom	16x
Optical Zoom	48x
Privacy Mask	up to 24 masks, mosaic mask, mask color configurable, rectangle region
SNR	≥52dB
Optical Defog	yes
Lens	
Focal Length	6.0 to 288 mm, 48 × Optical
Zoom Speed	approx. 5 s
FOV	Horizontal field of view: 60.0° to 2.0° (wide-tele), Vertical field of view: 35.8° to 1.2° (wide-tele), Diagonal field of view: 67.0° to 2.4° (wide-tele)
Aperture	F1.5
PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	-20° to 90° (auto flip)

Pan Speed	pan speed: configurable from 0.1° to 210°/s; preset speed: 280°/s
Tilt Speed	tilt speed: configurable from 0.1° to 150°/s, preset speed 250°/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
<b>Video</b>	
Max. Resolution	3840 × 2160
Main Stream	50 Hz: 25 fps (3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (3840 × 2160, 2560 × 1440, 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	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
H.264+	yes
H.265+	yes
SVC	yes
ROI	dynamic face tracking, fixed region, dynamic license plate tracking
<b>Audio</b>	
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 Kbps to 128 Kbps (MP2L2)
<b>Smart Features</b>	
Multi-target-type Detection	support face and human body capture, and output linked information
Face Capture	Support detecting up to 30 faces at the same time. Support detecting, tracking, capturing, grading, selecting of face in motion, and output the best face picture of the face
Face Comparison	yes
Basic Event	audio exception, motion detection, video tampering alarm, alarm input, alarm output, video tampering alarm, exception
Smart Event	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, vandal-proof alarm

Smart Tracking	manual tracking, panorama tracking, event tracking, support patrol tracking among multiple detection scenes
Smart Record	ANR, Dual-VCA
Alarm Linkage	preset, patrol scan, pattern scan, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, NAS video recording
Smart Encoding	H.265+, H.264+, low bit rate, ROI, SVC
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
<b>Network</b>	
Network Storage	NAS (NFS, SMB/ CIFS)
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
API	Open-ended API, ONVIF, ISAPI, Hikvision SDK, Third-party management platform, Hik-Connect, ISUP
Simultaneous Live View	20
User/Host	32
Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
Client	iVMS-4200, HikCentral, Hik-Connect
Web Browser	IE10-11, Chrome 57+, Firefox 52+, Safari 12+
<b>Interface</b>	
Communication Interface	Self-adaptive 10M/100M Ethernet port
On-board Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB
Alarm Input	7 alarm inputs
Alarm Output	2 alarm output
Audio Input	1 audio input
Audio Output	1 audio output, line level, impedance: 600 Ω
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
<b>Supplement Light</b>	
Laser Distance	800 m
Smart IR	yes
<b>General</b>	
Power	36 VDC
Power Consumption and Current	Max. 90 W (including max. 15 W for IR and max. 8 W for heater)
Operating Conditions	Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: ≤ 95%
Wiper	yes
Dimensions	∅ 293 mm × 446 mm (∅ 11.54" × 17.56")
Weight	Approx. 13 kg (28.66 lb.)
<b>Approval</b>	
Protection	IP67 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection

### ▪ Available Model

DS-2DF9C848I8XS-DLW (T2)

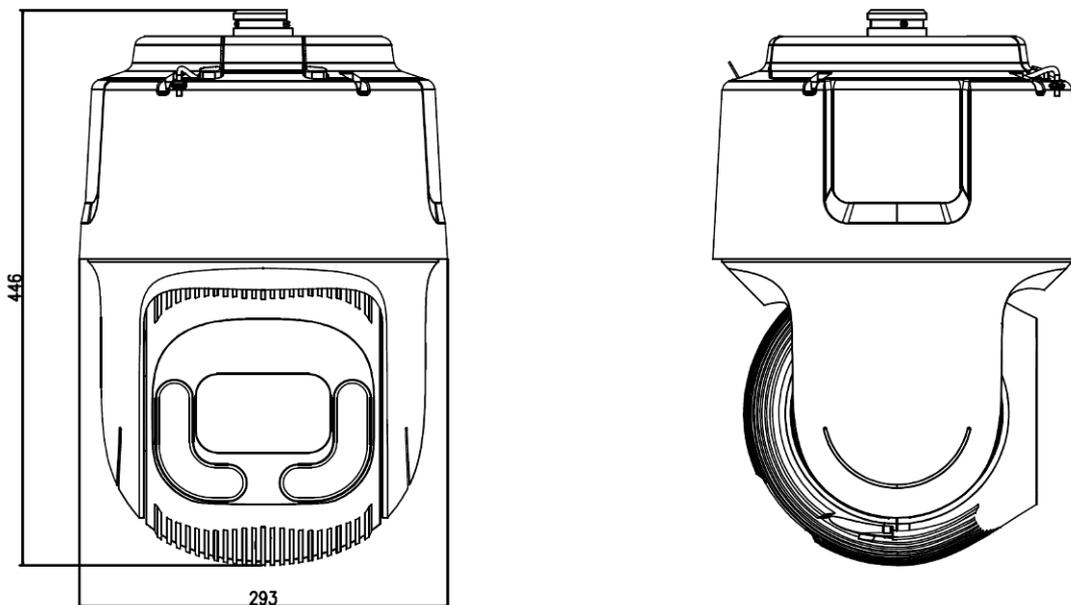
## ▪ Typical Application

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.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical 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 areas where no specific anti-corrosion protection is needed.

## ▪ Dimension



## ▪ Accessory

Included:



Power adapter, 36 VDC



Installation Adapter

**Optional:**



DS-1603ZJ-P  
Wall mount



DS-1603ZJ-Pole-P  
Vertical pole mount



DS-1668ZJ(20)-P  
Pendant mount



DS-1668ZJ-P  
Pendant mount



DS-1619ZJ-HP2  
Gooseneck mount



DS-1603ZJ-Corner-P  
Corner mount

Distributed by

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