

DS-2DY9188-AI2

## 2 MP 36x IR Ultra-Low Illumination Positioning System

# DARKFIGHTER

- **1/1.9" Progressive Scan CMOS Sensor**
- **1920 x 1080 Full HD Output**
- **Up to 656 ft (200 m) IR Range**
- **Wide Movement Range**
- **36x Optical Zoom, 16x Digital Zoom**
- **Up to 655 ft (200 m) IR Distance**
- **True Day/Night, True WDR, 3D DNR, Defog**
- **3D Intelligent Positioning**
- **Triple Stream**
- **Audio/Alarm I/O**
- **Wiper for Self-Cleaning**



The Hikvision Darkfighter Series DS-2DY9188-AI2 2 MP 36x Low Illumination Positioning System is able to capture high quality images in dim light environments. The embedded 1/1.9" progressive scan CMOS chip makes true WDR and 2 MP real-time resolution possible.

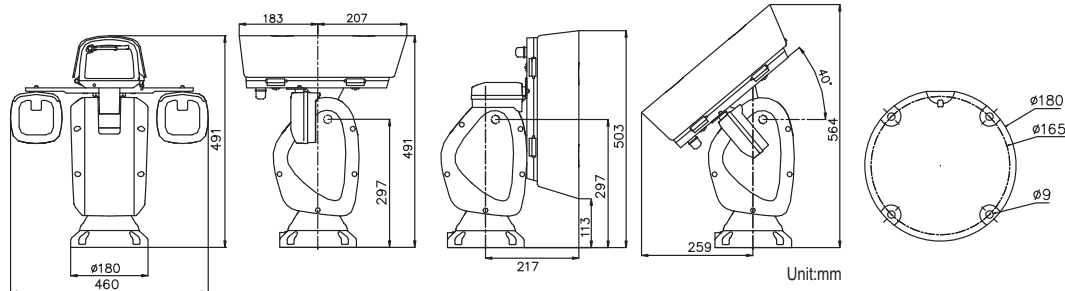
A 36x optical zoom (16x digital zoom) Day/Night lens provides this positioning system more details over expansive areas. Ultra-low

illumination requirements (color: 0.002 lux @  $f/1.5$ , AGC on) further enhances image quality.

Hikvision Darkfighter Series DS-2DY9188-AI2 2 MP 36x Low Illumination Positioning System also features Smart defog, which can further improve image quality in challenging conditions.

**Available Models:** DS-2DY9188-AI2

## Accessories



## Dimensions



DS-2DY9188-AI2	
<b>Camera Module</b>	
Image Sensor	1/1.9" progressive scan CMOS
Max. Image Resolution	1920 x 1080
Minimum Illumination	Color: 0.002 lux @ f/1.5, AGC on; B/W: 0.0002 lux @ f/1.5, AGC on
Day/Night	ICR
Focus Mode	Auto/semiautomatic/manual
Shutter Speed	50 Hz: 1/1 to 1/30,000s; 60 Hz: 1/1 to 1/30,000s
S/N Ratio	>52 dB
Digital Zoom	16x
White Balance	Auto/manual/ATW/indoor/outdoor/daylight lamp/sodium lamp
AGC	Auto/manual
<b>Lens</b>	
Focal Length	5.7 mm to 205.2 mm, 36x
Angle of View	58.7° to 2.0° (wide to tele)
Min. Working Distance	10 mm to 1500 mm (wide to tele)
Aperture Range	f/1.5 to f/3.4
<b>Image</b>	
Main Stream	50 Hz: 25 fps (1920 × 1080), 25 fps (1280 × 960), 25 fps (1280 × 720) 60 Hz: 30 fps (1920 × 1080), 30 fps (1280 × 960), 30 fps (1280 × 720)
Sub Stream	50 Hz: 25 fps (704 × 576), 25 fps (352 × 288), 25 fps (176 × 144) 60 Hz: 30 fps (704 × 480), 30 fps (352 × 240), 30 fps (176 × 120)
Third Stream	50 Hz: 25 fps (1920 × 1080), 25 fps (1280 × 960), 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (352 × 288), 25 fps (176 × 144) 60 Hz: 30 fps (1920 × 1080), 30 fps (1280 × 960), 30 fps (1280 × 720), 30 fps (704 × 480), 30 fps (352 × 240), 30 fps (176 × 120)
Image Compression	H.264 (baseline, main, high profile)/MJPEG/MPEG4
Audio Compression	G722.1/G.711ulaw/G.711alaw/MP2L2/G.726/PCM
SVC	Supported
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Standards	ONVIF, PSIA, CGI, Genetec
Others	Defog, EIS, privacy mask, 3D DNR, BLC, true WDR
<b>Smart Features</b>	
Smart Detection	Face detection, intrusion detection, line crossing detection, audio exception detection, region entrance detection, region exiting detection
ROI Encoding	24 areas with adjustable levels
<b>Infrared</b>	
IR Distance	656 ft (200 m)
IR Intensity	Automatically adjusted, depending on the zoom ratio
Smart IR	Supported
<b>Pan and Tilt</b>	
Movement Range	Pan: 360° endless, tilt: +40° to -90°
Movement Speed	Pan: 0.1° to 100°/s, tilt: 0.1° to 40°/s
Number of Presets	300
Patrols	8 patrols, up to 32 presets per patrol
Patterns	4 patterns, with the recording time not less than 10 minutes per pattern
Power-Off Memory	Supported
Park	Supported
Proportional Zoom	Supported
PTZ Position Display	On/Off
<b>System Integration</b>	
Menu	English
3D Positioning	Supported
Preset Freezing	Supported
Scheduled Task	Supported
Alarm I/O	7 alarm inputs, 2 alarm outputs, alarm linkage
Alarm Actions	Preset/patrol/pattern/SD card recording/aux output/e-map on client
Audio I/O	1/1
Ethernet	10Base-T/100Base-TX, RJ-45 connector
CVBS Output	1.0 V(p-p)/75Ω, NTSC (or PAL) composite, BNC
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
On-Board Storage	Built-in microSD/SDXC card slot, up to 128 GB, Edge recording
Simultaneous Live Views	Up to 20
User/Host Levels	Up to 32 users, 3 levels: administrator, operator, and user
<b>General</b>	
Power	24 VAC, maximum 60 W
Working Temp/Humidity	-40° C to 65° C, humidity 90% or less
Protection Levels	IP66 standard, TVS 6,000 V lightning protection, surge protection, and voltage transient protection
Dimensions	7" x 19" x 15" (180 mm × 491 mm × 390 mm)
Weight (approximate)	33.07 lb (15 kg)