

## DS-2DY9188-AI2 2MP 36X IR Ultra-Low Illumination Positioning System

**DARKFIGHTER**



Hikvision darkfighter series DS-2DY9188-AI2 2MP 36X IR Ultra-Low Illumination Positioning System is able to capture high quality images in dim light environment. It's IR light can reach up to 200m IR distance. Embedded with 1/1.9" progressive scan CMOS chip makes true WDR and 2MP real-time resolution possible. With the 36X optical zoom Day/Night lens, the positioning system offers more details over expansive areas.

Hikvision darkfighter series DS-2DY9188-AI2 2MP 36X IR Ultra-Low Illumination Positioning System also features Smart Defog and EIS (Electronic Image Stabilization), which can further supported to improve image quality in challenging conditions.

### Key Features

- 1920 × 1080 Full HD output
- Ultra-low illumination
- Wide movement range
- 36X optical zoom, 16X digital zoom
- Up to 200m IR distance
- True Day/Night, true WDR, 3D DNR, Defog
- 3D intelligent positioning
- Triple stream
- Audio/Alarm I/O
- Wiper for self-cleaning



# DS-2DY9188-AI2

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

**DARKFIGHTER**



### Function Description

#### IR function:

- 0 Lux minimum illumination
- High performance IR LED, up to 200m IR distance
- IR light MTBF reaching up to 30,000 hours

#### Basic function:

- High performance CMOS, up to 1920x1080 resolution
- $\pm 0.1^\circ$  Preset Accuracy
- ONVIF(Open Network Video Interface Forum), CGI(Common Gateway Interface), PSIA(Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility
- 3D intelligent positioning function
- 3D DNR
- IP66 standard
- 7 alarm inputs and 2 alarm outputs

#### Smart function:

- Smart image processing: support defog, HLC/BLC
- Smart codec: low bit rate, ROI
- Smart detection: support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection

#### Camera function:

- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
- Min. Illumination: Color: 0.002Lux @ (F1.5, AGC ON), B/W: 0.0002Lux @(F1.5, AGC ON)
- Support 24 privacy masks

#### PTZ function:

- $360^\circ$  endless pan range and  $+40^\circ \sim -90^\circ$  tilt range
- $0.1^\circ \sim 100^\circ$  /s Manual Pan Speed and  $0.1^\circ \sim 40^\circ$  /s Manual Tilt Speed
- 300 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol
- 4 patterns, with the recording time not less than 10

minutes per pattern

- Proportional zoom function
- Park action: auto call up of PTZ movement, after a defined time of inactivity
- Power-off memory: restore PTZ & Lens status after reboot

#### Network function:

- H.264/MJPEG video compression
- H.264 encoding with Baseline/Main/High profile
- ROI(Region of Interest) encoding(support 24 areas with adjustable levels)
- Built-in Web server
- Onboard storage, up to 128GB
- Support up to 8 NAS storage; Edge recording(transmit the videos from SD card to the NAS after network resumed)
- HTTPS encryption and IEEE 802.1X port-based network access control
- Support trip-streams
- Multiple network protocols supported: IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
- 1 audio input and 1 audio output

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**DARKFIGHTER**

<b>Model</b>	<b>DS-2DY9188-AI2</b>
<b>Camera Module</b>	
Image Sensor	1/1.9" Progressive Scan CMOS
Max. Image Resolution	1920 X 1080
Min. Illumination	Color: 0.002Lux @ (F1.5, AGC ON) B/W: 0.0002Lux @(F1.5, AGC ON)
Day & Night	ICR
Focus Mode	Auto / Semiautomatic / Manual
Shutter Time	50Hz: 1/1-1/30,000s; 60Hz: 1/1-1/30,000s
S / N Ratio	>52dB
Digital Zoom	16X
White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
AGC	Auto / Manual
<b>Lens</b>	
Focal Length	5.7-205.2, 36x
Angle of View	58.7-2.0 degree (Wide-Tele)
Min. Working Distance	10-1500mm(Wide-Tele)
Aperture Range	F1.5-F3.4
<b>Image</b>	
Main Stream	50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720) 60Hz:30fps(1920×1080), 30fps(1280×960), 30fps(1280×720)
Sub Stream	50Hz:25fps(704×576), 25fps(352×288), 25fps(176×144) 60Hz:30fps(704×480), 30fps(352×240), 30fps(176×120)
Third Stream	50Hz: 25fps(1920×1080), 25fps(1280×960), 25fps (1280×720), 25fps(704×576), 25fps (352×288), 25fps (176×144) 60Hz: 30fps(1920×1080), 30fps(1280×960), 30fps (1280×720), 30fps(704×480), 30fps (352×240), 30fps (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	Support
Protocols	IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE
Standard	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	Support 24 areas with adjustable levels
<b>Infrared</b>	
IR Distance	200m
IR Intensity	Automatically adjusted, depending on the zoom ratio
Smart IR	Support
<b>Pan and Tilt</b>	
Movement Range	Pan: 360° endless, Tilt: +40° ~-90°
Movement Speed	Pan: 0.1° -100° /s, Tilt: 0.1° -40° /s
Number of Preset	300
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern

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**DARKFIGHTER**

Power-off Memory	Support
Park	Support
Proportional Zoom	Support
PTZ Position Display	On / Off
<b>System Integration</b>	
Menu	English
3D Positioning	Support
Preset Freezing	Support
Scheduled Task	Support
Alarm I/O	7 alarm inputs, 2 alarm outputs, alarm linkage
Alarm Action	Preset / Patrol / Pattern / SD card recording/ Aux output/ E-map on Client
Audio I/O	1/1
Ethernet	10Base-T / 100Base-TX, RJ45 connector
CVBS Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
RS485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
Onboard Storage	Built-in Micro SD/SDXC card slot, up to 128GB, edge recording
Number of Simultaneous Live View	Up to 20
User/Host Level	Up to 32 users,3 Levels: Administrator, Operator and User
<b>General</b>	
Power	AC24V, Max. 60W
Working Temperature/Humidity	-40° C ~ 65° C, humidity 90% or less
Protection Level	IP66 standard, TVS 6,000V lightning protection, surge protection and voltage transient protection
Dimensions(mm)	180×491×390
Weight(approx.)	15kg(33.07lb)

### Dimensions

