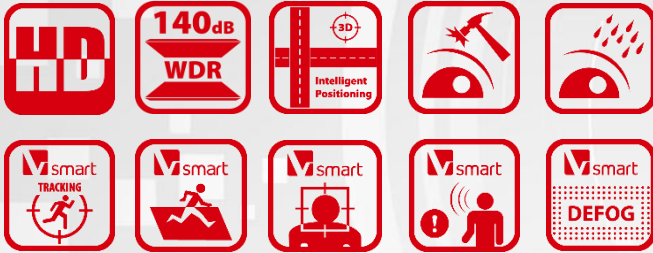


DS-2DF6236V-AEL

2MP Ultra WDR Smart PTZ Camera

LIGHTFIGHTER



smart PTZ

Hikvision Lightfighter series DS-2DF6236V-AEL smart PTZ Dome Cameras are able to capture high quality images in intense light source environment. Embedded with 1/2.8" progressive scan CMOS chip makes ultra WDR (140dB) and 2MP real-time resolution possible. With the 36X optical zoom Day/Night lens, the camera offers more details over expansive areas.

The Lightfighter PTZ camera also features a wide range of smart functions, including face detection, intrusion detection, line crossing detection and audio exception, benefitting users with great improvement on security efficiency, more importantly, with key events / objects being recorded for further forensic needs. These features, combined with smart tracking, which enables the camera to detect any progressively moving object and follow it within the camera's area of coverage without fault. Smart Defog and HLC/BLC are further supported to improve image quality in challenging conditions.

Key Features

- 1/2.8" HD CMOS sensor
- 2MP(1920*1080) Full HD
- 36X Optical Zoom
- 140db Ultra WDR
- Smart Tracking
- Smart Detection
- Defog
- Hi-PoE / 24VAC power supply



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LIGHTFIGHTER



Function Description

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
- Ultra WDR, up to 140dB
- IP66 standard
- 7 alarm inputs and 2 alarm outputs
- Scheduled PTZ movement

Smart function:

- Smart tracking modes: support manual/ panorama/ intrusion trigger/ line crossing trigger, support smart tracking when patrol between multiple scenarios
- Smart detection: support face detection, intrusion detection, line crossing detection, audio exception detection
- Smart recording: support edge recording, support dual-VCA for smart search in smart NVR
- Smart image processing: support defog, HLC/BLC
- Smart codec: low bit rate, ROI

Camera function:

- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
- Min. Illumination: 0.005Lux@(F1.6,AGC ON)(Color), 0.0005Lux@(F1.6,AGC ON)(B/W)
- Support privacy mask with multiple colors and mosaics on polygonal areas

PTZ function:

- 360° endless pan range and $-20^\circ \sim 90^\circ$ tilt range
- 540° /s Pan Preset Speed and 400° /s Tilt Preset Speed
- $0.1^\circ \sim 300^\circ$ /s Manual Pan Speed and $0.1^\circ \sim 240^\circ$ /s Manual Tilt Speed
- 300 presets programmable; preset image freezing

capability

- 16 patrols, up to 32 presets per patrol
- 10 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 64GB
- 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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2MP Ultra WDR Smart PTZ

LIGHTFIGHTER



Model	DS-2DF6236V-AEL
Camera Module	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	F1.6, AGC On: Color: 0.005 lux, B/W : 0.0005 lux
Max. Image Resolution	1920×1080
Focal Length	4.5-162mm, 36x
Digital Zoom	16X
Zoom Speed	Approx.3.3s(Optical Wide-Tele)
Angle of View	60.6-3.68 degree (Wide-Tele)
Min. Working Distance	10-1500mm(Wide-Tele)
Aperture Range	F1.6~F4.4
Focus Mode	Auto / Semiautomatic / Manual
WDR	140dB
S / N Ratio	≥ 55dB
Shutter Time	50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s
AGC	Auto / Manual
White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Privacy Mask	24 privacy masks programmable; optional multiple colors and mosaics
Enhancement	3D DNR, Defog, HLC/BLC, SVC
Pan and Tilt	
Range	Pan:360° endless; Tilt: -20°~90°(Auto Flip)
Speed	Pan Manual Speed: 0.1~300°/s, Pan Preset Speed: 540°/s Tilt Manual Speed: 0.1~240°/s, Tilt Preset Speed: 400°/s
Number of Preset	300
Patrol	16 patrols, up to 32 presets per patrol
Pattern	10 patterns, with the recording time not less than 10 minutes per pattern
Park Action	Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan
Scheduled Task	Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output
Smart Features	
Smart tracking	Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger
Smart detection	Face detection, intrusion detection, line crossing detection, audio exception, region entrance, region exiting
ROI encoding	Support 24 areas with adjustable levels
Alarm	
Alarm I/O	7/2
Alarm Trigger	Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Action	Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client
Input/Output	
Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Audio Input	1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio Output	1 Audio output interface, line level, impedance: 600Ω
Network	
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Main Stream	50Hz: 25fps(1920×1080, 1280×960, 1280×720); 60Hz: 30fps(1920×1080, 1280×960, 1280×720)
Sub Stream	50Hz: 25fps(704×576, 352×288, 176×144); 60Hz: 30fps(704×480, 352×240, 176×120)
Third Stream	50Hz: 25fps(1920×1080, 1280×960, 1280×720, 704×576, 352×288, 176×144) 60Hz: 30fps(1920×1080, 1280×960, 1280×720, 704×480, 352×240, 176×120)
Image Compression	H.264/MJPEG, H.264 encoding with Baseline/Main/High profile

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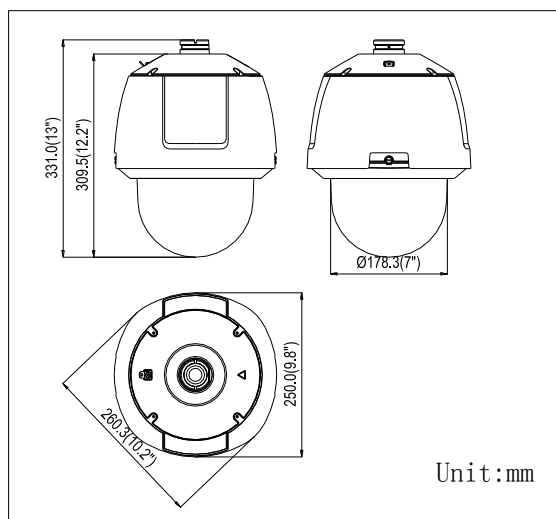
2MP Ultra WDR Smart PTZ

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Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Mini SD Memory Card	Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording
User/Host Level	Up to 32 users,3 Levels: Administrator, Operator and User
Security Measures	User authentication (ID and PW); Host authentication (MAC address); IP address filtering
System Integration	
Application programming	Open-ended API, support ONVIF, PSIA , CGI and Genetec
Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language
RS-485 Protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power	Hi-PoE&24 VAC, Max.60W
Working Temperature	-40° C ~ 65° C (-40° F ~ 149° F)
Humidity	90% or less
Protection Level	IP66, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection
Certification	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1
Dimensions	Φ178.3(mm)×331.0(mm) (Φ7.02"×13.03")
Weight (approx.)	8kg (approx.)
Mount Option	Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ

Dimensions



Accessories

