

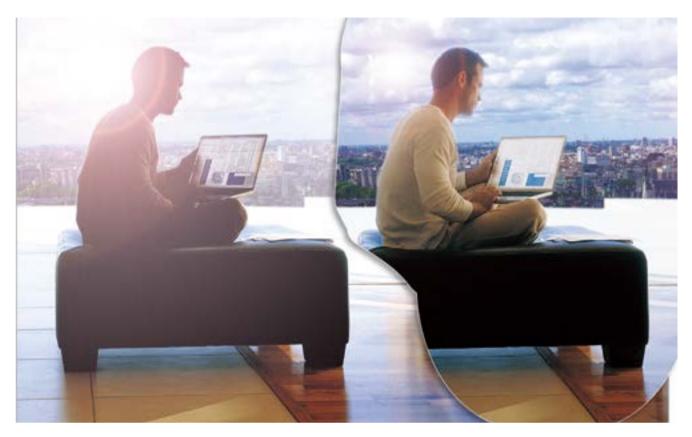






## A FIGHTER KEEPS STRONG LIGHT AWAY!

www.hikvision.com



Hikvision is set to reach new heights in extremely high contrast imaging with the LightFighter series of 2MP SMART IP cameras. These cameras incorporate Hikvision's ultra-high 140 dB WDR technology for exceptional, industry-leading visibility in brightly lit or high contrast environments. The result of this cutting-edge advance is crystal-clear, detail-rich images with true color reproduction in lighting conditions that would defeat conventional WDR cameras.

## **KEY FEATURES**

#### 140dB WDR Technology

The key to the performance of the LightFighter cameras is the industry-leading WDR system that allows the camera to record greater scene details even where the intensity of illumination varies considerably, such as backlighting when very dark and very bright areas appear simultaneously in the field of view. The 140 dB WDR in the LightFighter offers 100 times more powerful enhancement than the 120 dB WDR systems of conventional cameras. LightFighter is particularly suited to intense backlight situations, and is the ideal camera to point towards windows and entrance doors.



High low-light performance with up to 150m IR arrays



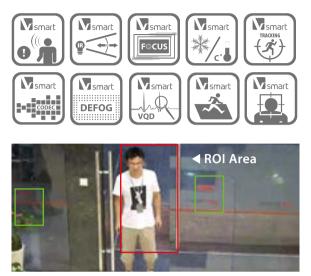
Hikvision LightFighter camera



Conventional camera

#### Smart Feature-Set

The LightFighter series is engineered with the full range of smart features –intrusion detection, face recognition, line crossing detection, audio exception, smart tracking, defog ability and electronic image stabilization.



Efficient bandwidth consuming with smart codec





#### SMART CODEC

#### H.264+ Optimized Compression

An efficient way to benefit manage super high resolution video footage



In a static nighttime environment, the bitrate of H.264+ can reach up to 50~60Kbps, 10~20x over standard H.264 codec, that not only saves bandwidth rresources, but efficiently decreases storage requirements.

- more encoding improvement
- more transmission efficiency
- more storage saving

The moving target is extracted from the static background, using a different codec for each element.

- Background-based Predictive Smart Encoding
- Enhanced Noise Suppression
- Optimized Bitrate Control in Long-term Period

#### Complete Product Offering

The LightFighter series consists of 2MP cameras including Smart IP box cameras, outdoor bullet cameras, outdoor dome cameras, and IP PTZ dome cameras with 36X zoom.

#### **HIKVISIO**N



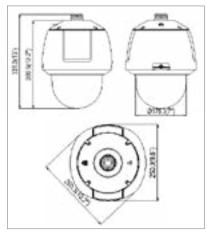




#### **Key Features**

- 1/3" HD CMOS sensor
- 1920×1080 Full HD, 36X Optical Zoom
- 140dB WDR
- Smart Tracking
- Smart Detection
- Hi-POE / 24VAC power supply
- Vandal proof (IK10)

#### Dimension (unit: mm)



#### Accessories





1602ZJ-Corner

DS-1602ZJ





1602ZJ-Pole

Order Models

DS-2DF6236V-AEL, Hi-POE / 24VAC, outdoor, low temperature

1602ZJ-Box

#### DS-2DF6236V-AEL 2MP 36X Network PTZ Dome Camera



Camera Module Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 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)
	10-1500mm(Wide-Tele)
Aperture Range Focus Mode	F1.6~F4.4
WDR	Auto / Semiautomatic / Manual 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
Enhancement	3D DNR, Defog, HLC/BLC, SVC
Pan and Tilt	
Range	Pan:360° endless; Tilt: -15°~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 scar Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama
Scheduled Task	preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output
Smart Features	Scall/ Dome Teboot/ Dome aujust/ Aux output
Siliait i catules	Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region
Smart tracking	exiting trigger/Smart tracking when patrol between multiple scenarios
· · · · · ·	Face detection, intrusion detection, line crossing detection, audio exception detection, region
Smart detection	entrance, region exiting
ROI encoding	Support 6 areas with adjustable levels
Alarm	
Alarm I/O	7/2
Alarm Trigger	Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network
AL A. L.	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: 6000
Network	I Addo odtpdt interface, tine tevet, impedance. obob
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Luiomot	50Hz: 25fps(1920×1080), 25fps (1280×960) / 50fps(1920×1080), 50fps(1280×960),
Main Stream	50fps(1280×720) 60Hz: 30fps(1920×1080), 30fps (1280×960) / 60fps(1920×1080), 60fps(1280×960),
	60fps(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)
minu Stream	60Hz: 30fps(1920×1080, 1280×960, 1280×720, 704×480, 352×240, 176×120)
Image Compression	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile
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, UDF IGMP, ICMP, DHCP, PPPoE
Simultaneous Live	Up to 20 users
View	
Mini SD Memory Card	Manual REC / Alarm REC. Built-in Micro SD/SDHC/SDXC card Slot, up to 646B. Edge recording
User/Host Level	Up to 32 users,3 Levels: Administrator, Operator and User User authentication (ID and PW); Host authentication (MAC address); IP address filtering
Socurity Moocuree	joser aumentication (ib and PW); nost authentication (MAC address); IP address fillering
System Integration	
System Integration Application	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec
System Integration Application programming	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec
System Integration Application programming Web Browser	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language
System Integration Application programming Web Browser RS-485 Protocols	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive
System Integration Application programming Web Browser RS-485 Protocols Power	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language
System Integration Application programming Web Browser RS-485 Protocols Power Working Temperature	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive Hi-PoES24 VAC, Max.60W
System Integration Application programming Web Browser RS-485 Protocols Power Working Temperature Humidity	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive Hi-PoE&24 VAC, Max.60W -40°C ~ 65°C (-40°F ~ 149°F)
Security Measures System Integration Application programming Web Browser RS-485 Protocols Power Working Temperature Humidity Protection Level Certification	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec         IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language         HIKVISION, Pelco-D, self-adaptive         HIKVISION, Pelco-D, self-adaptive         HI-PoES24 VAC, Max.60W         -40°C ~ 65°C [-40°F ~ 149°F]         90% or less         IP66, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection         FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1
System Integration Application programming Web Browser RS-485 Protocols Power Working Temperature Humidity Protection Level	Open-ended API, support ONVIF(Profile G), PSIA and CGI, Genetec         IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language         HIKVISION, Pelco-P, Pelco-D, self-adaptive         Hi-PoES24 VAC, Max.60W         -40°C ~ 65°C [-40°F ~ 149°F]         90% or less         IP66, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection





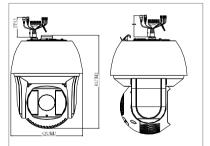




#### **Key Features**

- 1/3" HD CMOS sensor
- 1920×1080P Full HD, 36X Optical Zoom
- 140dB WDR
- Smart Tracking
- Smart Detection
- 200m IR distance
- Hi-PoE / 24VAC power supply
- Vandal proof(IK10)

#### Dimension (unit: mm)



#### Accessories





1602ZJ-Pole 1602ZJ-Box

#### Order Models

DS-2DF8236IV-AEL Hi-PoE / 24VAC, outdoor, low temperature

### DS-2DF8236IV-AEL 2MP 36X Network IR PTZ Dome Camera



Camera Module Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	F1.6, AGC On: Color : 0.05 lux , B/W : 0.01 lux, 0 lux with IR
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)
0	10-1500mm(Wide-Tele)
Min. Working Distance	
Aperture Range	F1.6-F4.4
Focus Mode	Auto / Semiautomatic / Manual
WDR	140dB
S / N Ratio	2 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	8 privacy masks programmable; optional multiple colors
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°~160°/s, Pan Preset Speed: 240°/s
-	Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/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 detection,
	region entrance, region exiting
ROI encoding	Support 24 areas with adjustable levels
Infrared	
IR Distance	Up to 200m
IR Intensity	Automatically adjusted, depending on the zoom ratio
Alarm	
Alarm I/O	7/2
Alarm Trigger	Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception 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	proces, rearby, reacon, more oby obne card recording, ready butput, notification of fullent
Monitor Output	1 OV[n_n] / 750 NTSC (or PAL) composite PMC
	1.0V[p-p] / 750, NTSC (or PAL) composite, BNC
Audio Input Audio Output	1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10% 1 Audio output interface, line level, impedance: 600Ω
Audio Output	
Network Ethorpot	10Dago T / 100Dago TV D1/E connector
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)
maga Compression	60Hz: 30fps(1920×1080, 1280×960, 1280×720, 704×480, 352×240, 176×120)
Image Compression	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile
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,
Pimultoneous Live M	UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	
Mini SD Memory Card	Manual REC / Alarm REC. Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB. Edge recording
User/Host Level	Up to 32 users, 3 Levels: Administrator, Operator and User
Coourity M	User authentication (ID and PW); Host authentication (MAC address); IP address filtering
,	
System Integration	
System Integration Application	Open-ended API, support ONVIF, PSIA and CGI, Genetec
Security Measures System Integration Application programming	
System Integration Application programming Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language
System Integration Application programming Web Browser RS-485 Protocols	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive
System Integration Application programming Web Browser RS-485 Protocols Power	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive Hi-PoE824 VAC, Max.60W
System Integration Application programming Web Browser RS-485 Protocols Power Working Temperature	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive Hi-PoE824 VAC, Max.60W -40°C ~ 65°C (-40°F ~ 149°F)
System Integration Application programming Web Browser RS-485 Protocols Power Power Working Temperature Humidity	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive Hi-PoES24 VAC, Max.60W -40°C ~ 65°C (-40°F ~ 149°F) 90% or less
System Integration Application programming Web Browser RS-485 Protocols Power Power Working Temperature Humidity Protection Level	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive HI-PoE&24 VAC, Max.60W -40°C ~ 65°C [-40°F ~ 149°F] 90% or less IP66, IK10, TVS 6,000V lightning protection, surge protection and voltage transient protection
System Integration Application programming Web Browser RS-485 Protocols Power Power Working Temperature Humidity	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language HIKVISION, Pelco-P, Pelco-D, self-adaptive Hi-PoES24 VAC, Max.60W -40°C ~ 65°C (-40°F ~ 149°F) 90% or less

#### **HIKVISION**

LIGHTFIGHTER



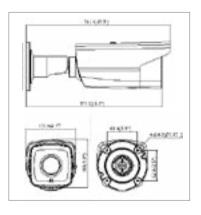




#### **Key Features**

- 1/2.8" Progressive Scan CMOS
- 1080p @ 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- -H: smart heater
- -S: Audio/Alarm IO
- Support 128G on-board storage
- DC12V/PoE(802.3at)

#### Dimension (unit: mm)



#### Order Models

DS-2CD4A25FWD-IZ DS-2CD4A25FWD-IZS DS-2CD4A25FWD-IZH DS-2CD4A25FWD-IZHS

## DS-2CD4A25FWD-IZ(H)(S)

2MP Smart IP Outdoor Bullet Camera

C	
Camera Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.005 Lux @ (F1.2, AGC ON), 0 lux with IR
Shutter Speed	0.007 Lux @ (F1.4, AGC ON), 0 lux with IR 1 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12mm @ F1.4 angle of view: 113°~33.8°; 8-32mm @ F1.4 angle of view: 31.2°~10.2°
Lens Mount	AF automatic focusing and motorized zoom lens
Auto-iris Day & Night	DC drive IR Cut Filter with auto switch
WDR	140dB
Compression standard	
Video Compression	H.264/ MJPEG
H.264 Type Video Bit Rate	Baseline Profile / Main Profile / High Profile 32 Kbps – 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image Max. Resolution	1920 × 1080
	1920 × 1080 50Hz: 50fps (1920 × 1080) /(1280 × 960)/(1280 × 720)
Main Stream	60Hz: 60ps (1920 × 1080) /(1280 × 960)/(1280 × 720) Independent with Main Stream and Sub Stream, up to
Third Stream	50Hz: 20fps(1280x720) ; 60Hz: 30fps (1920 × 1080)
Image Enhancement	BLC/HLC/3D DNR/ROI/Defog
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Distortion Correction	Support
Regional Cropping	Support
Day/Night Switch Picture Overlay	Auto/Schedule/Triggered by Alarm In LOG0 picture can be overlaid on video with 128x128 24bit bmp format
Network	Loop bictore can be overtaid on video with 126x126 24bit blip format
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard Interface	ONVIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Audio (-S)	1-ch 3.5 mm audio in (Mic in/Line in)/out interface
Communication Interface	1 RJ45 10M/1000M Ethernet port
Alarm (-S)	1 input, 1 output (up to DC24V 1A or AC110V 500mA)
Video Output (-S) On-board storage	1Vp-p composite output (75 Ω/BNC) Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Audio (-S)	
Environment Noise Filtering	Support
Audio I/O Audio Sampling Rate	Support dual audio track, stereo 16kHz / 32kHz / 44.1kHz / 48kHz
Smart Feature-set	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place Exit from a pre-defined virtual region
Region Exiting Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous
Object Removal	materials Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss
Recognition	detection, Defocus detection Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screen
	in real time)
General Protection Level	IP67
FIULECLIUITTEVEL	50m(2.8~12mm)/100m(8~32mm)
IR Distance	
IR Distance	-30 °C - 60 °C (-22 °F - 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C - 60
IR Distance Operating Conditions	-30 °C - 60 °C (-22 °F - 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C - 60 °C
IR Distance	-30 °C - 60 °C (-22 °F - 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C - 60
IR Distance Operating Conditions Power Supply	-30 °C - 60 °C (-22 °F - 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C - 60 °C °C 12 V DC ± 10%, PoE (802.3at)



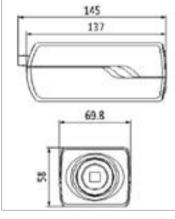




#### Key Features

- 1/2.8" Progressive Scan CMOS
- 1080p @ 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- -A: Auto Back Focus
- -P: P-Iris
- Audio/Alarm IO
- Support 128G on-board storage
- DC12V/AC24V/PoE(802.3af)

#### Dimension (unit: mm)



#### **Order Models**

DS-2CD4025FWD DS-2CD4025FWD-A DS-2CD4025FWD-P DS-2CD4025FWD-AP

#### DS-2CD4025FWD -(A)(P) 2MP Smart IP Box Camera



Camera Image Sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color: 0.005 Lux @ (F1.2, AGC ON) ; B/W: 0.0005 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Support
Lens Mount	C/CS mount
Auto-iris	DC drive(-P: support P-Iris)
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	140dB
Focus	-A: support ABF
Compression standard	
Video Compression	H.264+/H.264/MJPEG
Н.264 Туре	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps – 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	
Max. Resolution	1920 × 1080
	50Hz: 50fps (1920 × 1080) /(1280 × 960)/(1280 × 720)
Main Stream	60Hz: 60fps (1920 × 1080) /(1280 × 960)/(1280 × 720)
T	Independent with Main Stream and Sub Stream, up to
Third Stream	50/60Hz: 20fps(1280 × 720)
Image Enhancement	BLC/HLC/3D DNR/ROI/Defog
	Rotate Mode, Saturation, Brightness, Contrast adjustable by client software or web
Image Setting	browser
Regional Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Network Storage	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage
Alarm Trigger	exception
	TCP/IP,UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP,
Protocols	UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Interface	
	1 ab 7.5 mm audia in (Mia in / Lina in) (aut interface, 1 build in Miaraphana
Audio	1-ch 3.5 mm audio in (Mic in/Line in)/out interface, 1 build-in Microphone
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface and 1 RS-232 interface
Alarm	1 input, 1 output (up to DC24V 1A or AC110V 500mA )
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Audio	
Environment Noise Filtering	Support
Audio I/O	Support dual audio track, stereo
Audio Sampling Rate	16kHz / 32kHz / 44.1kHz / 48kHz
Smart Feature-set	
	Line crossing detection, Intrusion detection, Region entrance, Region exiting,
Behavior Analysis	Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
	Objects left over in the pre-defined region such as the baggage, purse, dangerous
Unattended Baggage	materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display.
bbjeet Kennovat	Scene change detection, Sudden audio increase/decrease detection, Audio loss
Exception Detections	detection, Defocus detection
Pagagaitian	
Recognition	Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screet in real time)
General	
	-30 °C - 60 °C (-22 °F - 140 °F), Humidity 95% or less (non-condensing)
Operating Conditions	
Operating Conditions Power Supply	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)
Operating Conditions Power Supply Power Consumption Dimensions	

#### **HIKVISIO**N

LIGHTFIGHTER



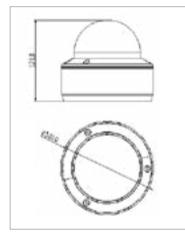




#### **Key Features**

- 1/2.8" Progressive Scan CMOS
- 1080p @ 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- Audio/Alarm IO
- Support 128G on-board storage
- DC12V/PoE(802.3af)

#### Dimension (unit: mm)



## Order Models

## DS-2CD4125FWD-IZ



Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.005 Lux @ (F1.2, AGC ON), 0 lux with IR 0.007 Lux @ (F1.4, AGC ON), 0 lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12mm @ F1.4, angle of view: 113-33.8°
Lens Mount	
Angle Adjustment Auto-iris	Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355° DC drive
Day & Night	Electronic (-I: IR cut filter with auto switch)
Digital Noise Reduction	3D DNR
Wide Dynamic Range	140dB
Compression standard	
Video Compression	H.264/MJPEG
Н.264 Туре	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps – 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image Max. Resolution	1920 × 1080
	50Hz: 50fps (1920 × 1080) /(1280 × 960)/(1280 × 720)
Frame Rate	60Hz: 60fps (1920 × 1080) /(1280 × 960)/(1280 × 720) Independent with Main Stream and Sub Stream, up to
Third Stream	50/60Hz: 20fps(1280 × 720)
Image Enhancement	BLC/HLC/3D DNR/ROI/Defog
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Distortion Correction	Support
Regional Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Network Storage	Mas (Support Nes, SMD Cles), ANK Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage
Alarm Trigger	exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Interface Audio	1. ob 7 E mm audio in (Mio in / Lina in) (aut interfece
Communication Interface	1-ch 3.5 mm audio in (Mic in/Line in)/out interface 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface
Alarm	1 input, 1 output (up to DC24V 1A or AC110V 500mA )
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Audio	
Environment Noise Filtering	Support
Audio I/O	Support dual audio track, stereo
Audio Sampling Rate Smart Feature-set	16kHz / 32kHz / 44.1kHz / 48kHz
	Line crossing detection, Intrusion detection, Region entrance, Region exiting,
Behavior Analysis	Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
General	
Impact Protection	IK10
IR Distance	30m
Operating Conditions	-30 °C - 60 °C (-22 °F - 140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 10%, PoE (802.3af)
Power Consumption Dimensions	Max. 6 W (Max. 9W, IR: 2W, motorized VF lens: 1W) 0 140 × 121.8 mm (0 5.51" × 4.80")
Weight	μ 140 × 121.8 mm (ψ 5.51 × 4.80 ) 1400 g (3.09 lbs)
J	LIGHTFIGHTER



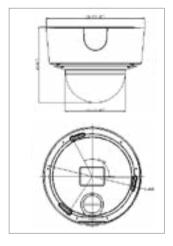




#### **Key Features**

- 1/2.8" Progressive Scan CMOS
- 1080p @ 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- -H: smart heater
- Support 128G on-board storage
- DC12V/AC24V/PoE

#### Dimension (unit: mm)



#### **Order Models**

DS-2CD4525FWD-IZ DS-2CD4525FWD-IZH

# DS-2CD4525FWD-IZ(H) 2MP Smart IP Outdoor Dome Camera



Camera	1/0.0" Prograadius Coop CM0C
Image Sensor	1/2.8" Progressive Scan CMOS 0.005 Lux @ (F1.2, AGC ON), 0 lux with IR
Min. Illumination	0.007 Lux @ (F1.4, AGC ON), 0 lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12mm @ F1.4, angle of view: 113-33.8°. 8-32mm @ F1.4, angle of view: 31.2- 10.2°
Lens Mount	AF automatic focusing and motorized zoom lens
Auto-iris	DC drive
Day & Night	IR Cut Filter with auto switch
WDR	140dB
Compression standard	
Video Compression	H.264+/H.264/MJPEG
Н.264 Туре	Baseline Profile / Main Profile / High Profile
Video Bit Rate Audio Compression	32 Kbps - 16 Mbps G.711/G.722.1/G.726/MP2L2
Audio Compression Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	04Kbp3(0.711) / 10Kbp3(0.722.1) / 10Kbp3(0.720) / 32-120Kbp3(Hi 202)
Max. Resolution	1920 × 1080
Frame Rate	50Hz: 50fps (1920 × 1080) /(1280 × 960)/(1280 × 720)
	60Hz: 60fps (1920 × 1080) /(1280 × 960)/(1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to
Imaga Enhancomont	50/60Hz: 20fps(1280 x 720) BLC/HLC/3D DNR/ROI/Defog
Image Enhancement	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client
Image Setting	software or web browser
Distortion Correction	Support
Regional Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage
Alarm Trigger	exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard Interface	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Audio	1-ch audio in (Mic in/Line in)/out interface
Communication Interface	1 RJ45 10M/100M Ethernet port, 1 RS-485 interface
Alarm	1 input, 1 output (up to DC24V 1A or AC110V 500mA )
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Audio	0
Environment Noise Filtering Audio I/O	Support
Audio Sampling Rate	Support dual audio track, stereo 16kHz / 32kHz / 44.1kHz / 48kHz
Smart Feature-set	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting,
	Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line Enter and loiter in a pre-defined virtual region
Intrusion Detection Region Entrance	Enter and totter in a pre-defined virtual region Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous
Object Removal	materials Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss
Recognition	detection, Defocus detection Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screer
General	in real time)
Protection Level	IP66
Impact Protection	IF 00
IR Distance	40m(2.8~12mm)/50m(8~32mm)
Operating Conditions	-30 °C - 60 °C (-22 °F - 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C - 60 °C
Power Supply	DC12V/AC24V/PoE(802.3af), -H: DC12V/AC24V/PoE(802.3at)
Power Supply Power Consumption Dimensions	DC12V/AC24V/PoE(802.3af), -H: DC12V/AC24V/PoE(802.3at) Max. 12 W (Max. 17 W with heater on) 0164.9 × 127 mm(06.49" ×5")

LIGHTFIGHTER



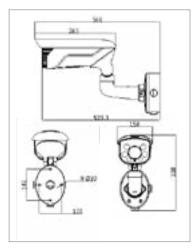




#### **Key Features**

- 1/2.8" Progressive Scan CMOS
- 1080p @ 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- -S: Audio/Alarm IO
- -H: Build-in Heater
- Support 128G on-board storage
- AC24V/PoE(802.3at)

#### Dimension (unit: mm)



Order Models

DS-2CD4625FWD-IZ DS-2CD4625FWD-IZS DS-2CD4625FWD-IZH DS-2CD4625FWD-IZHS

## DS-2CD4625FWD-IZ (H)(S)

#### 2MP Smart IP Vandal-proof Bullet Camera

Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.005 Lux @ (F1.2, AGC ON), 0 lux with IR 0.007 Lux @ (F1.4, AGC ON), 0 lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12mm @ F1.4, angle of view: 113-33.8°; 8-32mm @ F1.4, angle of view: 31.2-10.2°
ens Mount	AF automatic focusing and motorized zoom lens
Auto-iris	DC drive
Day & Night NDR	IR Cut Filter with auto switch 140dB
Compression standard	1400B
/ideo Compression	H.264+/H.264/MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
/ideo Bit Rate	32 Kbps – 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
mage	
1ax. Resolution	1920 × 1080
1ain Stream	50Hz: 50fps (1920 × 1080) /(1280 × 960)/(1280 × 720) 60Hz: 60fps (1920 × 1080) /(1280 × 960)/(1280 × 720)
hird Stream	Independent with Main Stream and Sub Stream, up to 50/60Hz: 20fps(1280 × 720)
mage Enhancement	BLC/HLC/3D DNR/R0I/Defog
mage Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software of web browser
Distortion Correction	Support
Regional Cropping	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
letwork	
letwork Storage	NAS (Support NFS,SMB/CIFS), ANR
larm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Communication Interface	1 RJ45 10M/100M/1000M Ethernet interface
nterface Audio (-S)	1-ch 3.5 mm audio in (Mic in/Line in)/out interface
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port, 1 RS 485 interface (-S)
Alarm (-S)	1 input, 1 output (up to DC24V 1A or AC110V 500mA )
)n-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Audio (-S)	
Environment Noise	
iltering	Support
Audio I/O	Support dual audio track, stereo
udio Sampling Rate	16kHz / 32kHz / 44.1kHz / 48kHz
Audio (-S)	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended
	baggage, Object removal
ine Crossing Detection	Cross a pre-defined virtual line
ntrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance Region Exiting	Enter a pre-defined virtual region from the outside place Exit from a pre-defined virtual region
Jnattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Ibject Removal	Objects removed from the pre-defined region, such as the exhibits on display.
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
· · · · · · · · · · · · · · · · · · ·	Object Counting (Entrance and Exit object number is accounted and showed on screen in
itatistics	real time)
General	
Protection Level	IP66
mpact Protection	K10  70m(2.9, 12mm)/1E0m(9, 72mm)
R Distance Operating Conditions	70m(2.8~12mm)/150m(8~32mm) -30 °C - 60 °C (-22 °F - 140 °F), Humidity 95% or less (non-condensing), -H: -40 °C - 60 °C
Power Supply	-30 С - 60 С -22 F - 140 F), нитаку 95% or tess (non-condensing), -н: -40 С - 60 С 24 V AC ± 10%, РоЕ (802.3at)
	AC ± 10%, POE (802.3at) Max. 24 W
20Wer L'onsumntion	
Power Consumption Dimensions	158×338×560 mm (6.22" ×13.31 " × 22.05")



#### LIGHTFIGHTER **NETWORK CAMERAS**



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Headquarters No.555 Qiermo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5098 overseasbusiness@hkvision.com

Hisvision Poland 1+48-22-460-01-50 polond@hikvision.com

Hikvision USA T+1-909-866-0400 salws.usa@hikvision.com

Hikvision India 1+91-22-28469500 sales@pramahik/sion.com

Hikvision UK T+44-1628-9021-4 support uk@hikvision.com Hikvision Europe T +31-23-5542770 salesauro@navision.com

Hikvision Italy 1 +39-0438-6907 into,b@hikvision.com

Hikvision Singapore T +65-668+-4718 sg@hikyisipri.com

Hikvision Middle East salesme@hilvision.com

Hikvision France 7 +330(1-85-330-9/4/ info.fr@hiki/sion.com

Hikvision Oceania 1 +61-2-8599-4233 salesau@hikyision.com Hikvision Russia T +7-405-600-67-98 saleru/phikvision.cpm

Hikvision Spain T +34-51-737-16-55 into.co@hikvision.com

Hikvision Hong Kong T +952-2151-1761