# DS-2DF9C435IH-DLW 4MP 35× Network IR PTZ Camera



HIKVISIO



Hikvision DS-2DF9C435IH-DLW 4MP 35× Network IR PTZ Camera belongs to the DarkFighterX camera family. With the patented dual-sensor design, it is able to process color and brightness independently and outputs one FULL-COLOR image.

This series of cameras can be widely used for wide ranges of high-definition, such as the river, forest, road, railway, airport, port, square, park, scenic spot, station and large venue, etc.

### **Key Feature**

• Dual-sensor, 1/1.8" progressive scan CMOS

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- Full-color image output
- Up to 2688 × 1512 resolution
- Min. illumination: Color: 0.0005 Lux @(F1.5, AGC ON)
  B/W: 0.0001 Lux @(F1.5, AGC ON)
  0 Lux with IR
- 35× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, BLC, EIS, Chromatic Defog
- Support H.265+/H.265 video compression
- Support rapid focus
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Up to 500 m IR distance. Smart IR
- Rain-sensing auto wiper
- IP67



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Specification						
Camera Module						
Image Sensor	Dual-sensor, 1/1.8" progressive scan CMOS					
Min. Illumination	Color: 0.0005 Lux @(F1.5, AGC ON) B/W: 0.0001 Lux @(F1.5, AGC ON) 0 lux with IR					
White Balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp					
Gain	Auto/Manual					
Shutter Time	50Hz: 1/1 s to 1/30,000 s 60Hz: 1/1 s to 1/30,000 s					
Day & Night	Controlled by dual-sensor					
Digital Zoom	16×					
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable					
Focus Mode	Auto/Semi-automatic/Manual					
WDR	120 dB					
Rapid Focus	Yes					
Lens						
Focal Length	5.9 mm to 206.5 mm, 35× Optical					
Zoom Speed	Approx. 4.4 s (optical lens, wide-tele)					
Field of View	Horizontal field of view: 58.9° to 2.2° (wide-tele) Vertical field of view: 35.3° to 1.2° (wide-tele) Diagonal field of view: 65.9° to 2.5° (wide-tele)					
Working Distance	10 mm to 1500 mm (wide-tele)					
Aperture Range	F1.6 to F4.4					
IR						
IR Distance	Up to 500 m					
Smart IR	Yes					
PTZ						
Movement Range (Pan)	360° endless					
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s					
Movement Range (Tilt)	From -25° to 90°					
Tilt Speed	Configurable, from 0.1°/s 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	On/off					
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					
Compression Standard						
Video Compression	Main Stream: H.265+/H.265/H.264+/H.264 Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG					
Н.264 Туре	Baseline Profile/Main Profile/High Profile					
H.264+	Yes					



H.265 Type Main Profile H.265+ Yes Video Bitrate 32 Kbps to 16384 Kbps Audio Compression G.71131wa/G.7111Jaw/G.722.1/G.726/MP2L2/PCM Audio Bitrate 32 Kbps to 16384 Kbps Audio Strate 64 Kbps (G.711/16 Kbps (G.722.1/16 Kbps (G.726)/32 Kbps to 192 Kbps(MP2L2) SvC Yes Smart Feature Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out missen alarm caused by target types (human and vehicle) Filtering out missen alarm caused by target types (human and vehicle) Filtering out missen alarm caused by target types such as leaf, light, animal, and flag, etc. Unattended Baggage Detection, Object Removal Detection, Face Detection, Audio Exception Detection Motion Detection (Video Tempering Alarm, Exception (HDD Full, HDD Error, Illegal Login, JP Address Conflict, Network Disconnected) Manal Tracking sub Straem and third stream respectively support eight fixed areas. Image Nanal Tracking Support raise Strain (Support Tracking specified target types such as human and vehicle, Event Tracking Smart Record ANR (Automatic Network Replenishment), Dual-VCA ROI Main stream, sub-stream and third stream respectively support eight fixed areas. Image Strain Straem Strains (Strains Strains					
Video Bitrate32 Kbps to 16384 KbpsAudio CompressionG-711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCMAudio BitrateG4 Kbps (G.711)/16 kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps(MP2L2)SVCYesSmart FeatureFiltering out site crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out site alarm caused by target types such as leaf, light, animal, and flag, etc.Event DetectionUnattended Baggage Detection, Object Removal Detection, Face Detection, Audio Exception Detection Motion Detection, Video Tempering Alarm, Exception (HDD Full, HDD Error, Illegal Login, IP Address Conflict, Network Disconnected)Smart TrackingManual Tracking (support tracking support tracking support light fixed areas.ImageManual Tracking (Support Tracking Support tracking support light fixed areas.ImageColores 25(20 × 1240, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) GOHz: 30fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) GOHz: 30fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) GOHz: 30fps (204 × 80, 352 × 288) GOHz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) GOHz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) GOHz: 30fps (1920 × 1080, 1280 × 920, 704 × 576, 640 × 480, 352 × 288) GOHz: 30fps (1920 × 1080, 1280 × 920, 704 × 576, 640 × 480, 352 × 288) GOHz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) GOHz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) GOHz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) GOHz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720,	Н.265 Туре	Main Profile			
Audio Compression   G.711alaw/G.711.vlaw/G.722.1/G.726/MP2L2/PCM     Audio Bitrate   G4 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps(MP2L2)     SVC   Yes     Smart Feature   Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.     Event Detection   Unattended Bagage Detection, Object Removal Detection, Face Detection, Audio Exception Detection, Video Tempering Alarm, Exception (HDD Full, HDD Error, Illegal Login, IP Address Conflict, Network Disconnected)     Smart Tracking   Manual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle), Levent Tracking.     Smart Record   ANR (Automatic Network Replenishment), Dual-VCA     ROI   Main stream, sub-stream and third stream respectively support eight fixed areas.     Image   Total (1900 table) (1900 table) (1900 table) (1900 table) (1900 table) (1280 x 720)     Sub-Stream   GOHz: 30fps (2688 x 1512, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 960, 1280 x 720)     Sub-Stream   GOHz: 30fps (1920 table) (1300 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 288)     GOHz: 30fps (1920 table) (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 288)     Sub-Stream   GOHz: 30fps (1920 table) (1820 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 288)     Network Stora	H.265+	Yes			
Audio Bitrate   64 Kbps (G. 711)/16 Kbps (G. 722.1)/16 Kbps (G. 726)/32 Kbps to 192 Kbps(MP2L2)     SVC   Yes     Smart Feature   Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types such as leaf, light, animal, and flag, etc.     Perimeter Protection   Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.     Event Detection   Manual Tracking (Support Tracking Support Hypes such as leaf, light, animal, and flag, etc.     Smart Record   ANR (Automatic Network Replenishment), Dual-VCA     ROI   Manual Tracking (Support Tracking Support Tracking specified target types such as human and vehicle), Event Tracking     Smart Record   ANR (Automatic Network Replenishment), Dual-VCA     ROI   Main Stream, sub-stream and third stream respectively support eight fixed areas.     Image   50Hz: 25fps (2688 x 1512, 2560 × 1440, 2048 x 1536, 1920 × 1080, 1280 × 960, 1280 × 720, 704 × 856, 640 × 480, 352 × 288)     Sub-Stream   50Hz: 25fps (1280 × 1080, 1280 × 200, 704 × 856, 640 × 480, 352 × 288)     GOHz: 20fps (1280 × 1080, 1280 × 120, 728, 704 × 576, 640 × 480, 352 × 288)     GOHz: 20fps (1280 × 1080, 1280 × 120, 704 × 456, 640 × 480, 352 × 288)     GOHz: 20fps (1280 × 1080, 1280 × 120, 704 × 456, 640 × 480, 352 × 288)     GOHz: 20fps (1320 × 1080, 1280 × 120, 707, 704 × 480, 640 × 480, 352 × 288)     GOHz: 20fp	Video Bitrate				
SVC     Yes       Smart Feature     Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types such as leaf, light, animal, and flag, etc.       Perimeter Protection     Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.       Event Detection     Unattended Baggage Detection, Object Removal Detection, Audio Exception Detection       Smart Tracking     Manual Tracking (support tracking specified target types such as human and vehicle), Event Tracking       Smart Record     ANR (Automatic Network Replenishment), Dual-VCA       ROI     Main stream, sub-stream and third stream respectively support eight fixed areas.       Image     50Hz: 25fp (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)       Sub-Stream     50Hz: 25fp (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)       Sub-Stream     50Hz: 25fp (104 × 576, 640 × 480, 352 × 288) 60Hz: 30fp (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fp (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fp (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fp (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fp (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fp (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fp (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fp (1920 × 1080, 1280 × 600, 1280 × 720, 704 ×	Audio Compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM			
Smart Feature     Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types such as leaf, light, animal, and flag, etc.       Event Detection     Unattended Baggage Detection, Object Removal Detection, Face Detection, Audio Exception Detection, Nutleo Tempering Alarm, Exception (HDD Full, HDD Error, Illegal Login, IP Address Conflict, Network Disconnected)       Smart Tracking     Manual Tracking, Auto Tracking (support tracking support tracking specified target types such as human and vehicle). Event Tracking.       Smart Record     ANR (Automatic Network Replenishment), Dual-VCA       ROI     Main stream, sub-stream and third stream respectively support eight fixed areas.       Image     50Hz: 25fps (2688 x 1512, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 960, 1280 x 720, 60Hz: 30fps (2688 x 1512, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 960, 1280 x 720, 60Hz: 30fps (2688 x 1512, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 960, 1280 x 720, 60Hz: 30fps (268 x 1512, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 950, 1280 x 720, 60Hz: 30fps (268 x 1512, 2560 x 1440, 2048 x 1536, 1920 x 1080, 1280 x 950, 1280 x 720, 60Hz: 30fps (1920 x 1880, 1280 x 960, 1280 x 720, 704 x 876, 640 x 480, 352 x 288) 60Hz: 30fps (1920 x 1880, 1280 x 960, 1280 x 720, 704 x 876, 640 x 480, 352 x 288) 60Hz: 30fps (1920 x 1880, 1280 x 960, 1280 x 720, 704 x 876, 640 x 480, 352 x 288) 60Hz: 30fps (1920 x 1880, 1280 x 960, 1280 x 720, 704 x 876, 640 x 480, 352 x 288) 60Hz: 30fps (1920 x 1880, 1280 x 960, 1280 x 720, 704 x 876, 640 x 480, 352 x 280) find a transcenent       Network     User Automations, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording,	Audio Bitrate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps(MP2L2)			
Perimeter Protection     Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.       Event Detection     Unattended Baggage Detection, Object Removal Detection, Face Detection, Audio Exception Detection, Video Tempering Alarm, Exception (HDD Full, HDD Error, Illegal Login, IP Address Conflict, Network Disconnected)       Smart Tracking     Manual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle), Event Tracking (support tracking specified target types such as human and vehicle). Event Tracking       Smart Record     ANR (Automatic Network Replenishment), Dual-VCA       ROI     Main stream, sub-stream and third stream respectively support eight fixed areas.       Image	SVC	Yes			
Perimeter Protection     Support alarm triggering by specified target types (human and whicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.       Event Detection     Unattended Baggage Detection, Object Removal Detection, Face Detection, Audio Exception Detection, Video Tempering Alarm, Exception (HDD Full, HDD Error, Ilegal Login, IP Address Conflict, Network Disconnected)       Smart Tracking     Manual Tracking Auto Tracking Support tracking specified target types such as human and vehicle), Event Tracking       Smart Record     AMR (Automatic Network Replenishment), Dual-VCA       Roll     Main stream, sub-stream and third stream respectively support eight fixed areas.       Image	Smart Feature				
Event DetectionException DetectionMotion Detection, Video Tempering Alarm, Exception (HDD Full, HDD Error, Illegal Login, IP Address Conflict, Network Disconnected)Smart TrackingManual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle). Event TrackingSmart RecordANR (Automatic Network Replenishment), Dual-VCAROIMain stream, sub-stream and third stream respectively support eight fixed areas.ImageManual Tracking (Support tracking Specified target types such as human and vehicle). Event Tracking (Support tracking Specified target types of the specified target types such as human and vehicle). Specific (Stream)Max. Resolution2688 × 1512 2508 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720, 0 60Hz: 30fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720, 720, 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 80, 640 × 480, 352 × 240)Sub-Stream60Hz: 25fps (704 × 576, 640 × 480, 352 × 240) 60Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 240)Image EnhancementHLC/BLC/3D DNR/chromatic Defog/Els/Regional Exposure/Regional FocusNetworkBuilt-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANRAlarm LinkageCiFS, ANRAlarm actions, Such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Alarm Output, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.Alarm LinkageInteger Cording, Alarm Output, Notify SurveillanceUser/HostUp to 32 users. 3 levels: Administrator, Operator and UserSecurity MeasuresUse	Perimeter Protection	Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.			
Smart TrackingManual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle), Event TrackingSmart RecordANR (Automatic Network Replenishment), Dual-VCAROIMain stream, sub-stream and third stream respectively support eight fixed areas.ImageMax. Resolution2688 × 1512Sold::Solf::StreamSolf::25(1)::Solf::25(1)::Solf::Sub-StreamSolf::60(1)::Solf::60(1)::Solf::Solf::Solf::1)::Solf::1)::Solf::1)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2)::Solf::2):Solf::2):: <td< td=""><td>Event Detection</td><td>Exception Detection Motion Detection, Video Tempering Alarm, Exception (HDD Full, HDD Error, Illegal</td></td<>	Event Detection	Exception Detection Motion Detection, Video Tempering Alarm, Exception (HDD Full, HDD Error, Illegal			
ROI   Main stream, sub-stream and third stream respectively support eight fixed areas.     Image     Max. Resolution   2688 × 1512     Main Stream   50Hz: 25fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)     Sub-Stream   50Hz: 32fps (704 × 576, 640 × 480, 352 × 288)     Solb-Stream   50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)     Solb-Stream   50Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)     Third Stream   50Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 288)     Image Enhancement   HLC/BLC/3D DNR/Chromatic Defog/EIS/Regional Exposure/Regional Focus     Network   Storage   Suilt-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS), ANR     Alarm Linkage   Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Alarm Output, Notify Surveillance Center, Upload NFP, Memory Card/NAS, Send Email, etc.     Protocols   IPv4/IPv6, HTTP, HTTP, BO2 (12, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTC, RTP, TCP/IP, UDP, ICMP, DHCP, PPP6E, Bonjour     API   ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK     Simultaneous Live View   Up to 20 channels     User Justers   3 levels: Administrator, Operator and User     Security Measures <td>Smart Tracking</td> <td>Manual Tracking, Auto Tracking (support tracking specified target types such as human</td>	Smart Tracking	Manual Tracking, Auto Tracking (support tracking specified target types such as human			
ImageMax. Resolution2688 × 1512Main Stream50Hz: 25fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)GoHz: 30fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)Sub-Stream50Hz: 25fps (704 × 576, 640 × 480, 352 × 240)Find Stream60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)Soldz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 240)Image EnhancementHLC/BLC/3D DNR/Chromatic Defog/EIS/Regional Exposure/Regional FocusNetworkBuilt-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NF5, SMB/CIFS), ANRNetwork StorageBuilt-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NF5, SMB/CIFS), ANRAlarm LinkageAlarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Alarm Output, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.ProtocolsIPv4/IPv6, HTTP, HTTP, HTTPS, 802, 1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, BonjourAPIONVIF (Profile S, Profile G, Profile T), ISAPI, SDKSimultaneous Live ViewUp to 20 channelsUser/Host3 levels: Administrator, Operator and UserSecurity MeasuresUser authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filteringClientIVMS-4200, IVMS-4500, IVMS-5200, Hik-Connect, Hik-CentralWeb BrowserIE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+InterfaceAlarm7-ch alarm	Smart Record	ANR (Automatic Network Replenishment), Dual-VCA			
Max. Resolution2688 × 1512Main StreamSOH7: 25fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) SOH2: 30fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)Sub-StreamSOH7: 25fps (704 × 576, 640 × 480, 352 × 288) 60H2: 30fps (704 × 480, 640 × 480, 352 × 240)Third StreamSOH7: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 240)Image EnhancementHLC/BLC/3D DNR/Chromatic Defog/EIS/Regional Exposure/Regional FocusNetworkBuilt-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANRAlarm LinkageAlarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Alarm Output, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.ProtocolsIPv4/IPv6, HTTP, HTTPS, 802, 1X, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, JCMP, DHCP, PPDE, BonjourAPIONVIF (Profile S, Profile G, Profile T), ISAPI, SDKSimultaneous Live ViewUp to 20 channelsUser /HostSleveis: Administrator, Operator and UserSecurity MeasuresUser authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filteringClientVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect, Hik-CentralWeb BrowserIE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+InterfaceI-ch Audio output 1.0 (OH Ethernet InterfaceAlarm7-ch alarm input/2-ch alarm outputAudio1-ch Audio output Line level, impedance: 6000	ROI	Main stream, sub-stream and third stream respectively support eight fixed areas.			
Soltz: 25fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2688 × 1512, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)Sub-StreamSoltz: 25fps (704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)Third StreamSoltz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 920, 704 × 480, 640 × 480, 352 × 288) forthNetworkBuilt-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/ CIFS), ANRAlarm LinkagePrecording, Alarm Output, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc. Qard/NAS, Send Email, etc. RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, PMPP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPOE, BonjourAPIONVIF (Profile S, Profile G, Profile T), ISAPI, SDKSimultaneous Live ViewUp to 32 users. S levels: Administrator, Operator and UserSecurity Measures	Image				
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User/Host3 levels: Administrator, Operator and UserSecurity MeasuresUser authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filteringClientiVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect, Hik-CentralWeb BrowserIE 8 to 11, Chrome 31.0+, Firefox 30.0+, Edge 16.16299+, Safari 11+InterfaceAlarm7-ch alarm input/2-ch alarm outputAudio1-ch Audio Input, 2.0 to 2.4Vp-p, 1k Ohm±10% 1-ch Audio output Line level, impedance: 600ΩNetwork Interface1 RJ45 self-adaptive 10 M/100 M Ethernet InterfaceRS-485HIKVISION, Pelco-P, Pelco-D, self-adaptiveBNC1.0V [p-p]/75 Ω, NTSC (or PAL) composite, BNC	Simultaneous Live View				
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RS-485HIKVISION, Pelco-P, Pelco-D, self-adaptiveBNC1.0V [p-p]/75 Ω, NTSC (or PAL) composite, BNC	Audio	1-ch Audio output Line level, impedance: 600Ω			
BNC 1.0V [p-p]/75 Ω, NTSC (or PAL) composite, BNC	Network Interface	1 RJ45 self-adaptive 10 M/100 M Ethernet Interface			
	RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive			
General	BNC	1.0V [p-p]/75 Ω, NTSC (or PAL) composite, BNC			
	General				



Language (Web Browser Access)		
Dowor	Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)	
Power	36 V, 4.17 A, DC (max. 105 W, including max. 18 W for IR)	
Working Environment	Temperature: Outdoor: -40°C to 70°C (-40°F to 158°F) Humidity: ≤ 95%	
Protection Level	IP67 Standard. Lightning protection, surge protection and voltage transient protection meets IEC61000-4-2-2/3/4/5/6	
Wiper	Yes. Rain-sensing auto control	
Material	ADC12	
Dimensions	Φ 293 mm × 422 mm (Φ 11.5" × 16.6")	
Weight	Approx. 13 kg (28.7 lb.)	

### 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.

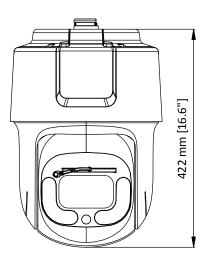
DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	2606.9 m (8552.8 ft)	1034.5 m (3394.0 ft)	521.4 m (1710.6 ft)	260.7 m (854.3 ft)

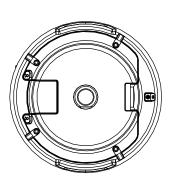
## Order Model

DS-2DF9C435IH-DLW, 36 VDC

### Dimension

Ø 293 mm [Ø 11.5"]







#### Accessory Included:



EUV-150S036ST-KW02 Power adapter

#### **Optional:**



DS-1603ZJ-P Wall mount



DS-1619ZJ-HP2 Gooseneck mount

Distributed by

Γ



Installation Adapter

DS-1603ZJ-Pole-P Vertical pole mount



DS-1603ZJ-Corner-P Corner mount



DS-1668ZJ(20)-P Pendant mount



DS-1668ZJ-P Pendant mount



#### Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T+86-571-8807-5998 overseasbusiness@hikvision.com

Hikvision USA T+1-909-895-0400 sales.usa@hikvision.com

Hikvision Australia T+61-2-8599-4233 salesau@hikvision.com

Hikvision India T +91-22-28469900 sales@pramahikvision.com

Hikvision Canada T+1-866-200-6690 sales.canada@hikvision.com

Hikvision Thailand T +662-275-9949 sales.thailand@hikvision.com Hikvision Europe +31-23-5542770 sales.eu@hikvision.com

Hikvision Italy T +39-0438-6902 info.it@hikvision.com Hikvision Brazil

T +55 11 3318-0050 Latam.support@hikvision.com

Hikvision Turkey T +90 (216)521 7070- 7074 sales.tr@hikvision.com

Hikvision Malaysia T +601-7652-2413 sales.my@hikvision.com Hikvision UK & Ireland T +01628-902140 sales.uk@hikvision.com

Hikvision South Africa Tel: +27 (10) 0351172 sale.africa@hikvision.com

Hikvision France T +33(0)1-85-330-450 info.fr@hikvision.com

Hikvision Kazakhstan T +7-727-9730667 nikia.panfilov@hikvision.ru

Hikvision Vietnam T +84-974270888 sales.vt@hikvision.com Hikvision UAE +971-4-4432090 salesme@hikvision.com

Hikvision Singapore T +65-6684-4718 sg@hikvision.com

Hikvision Spain T +34-91-737-16-55 info.es@hikvision.com

Hikvision Tashkent T +99-87-1238-9438 uzb@hikvision.ru

Hikvision Hong Kong T +852-2151-1761 info.hk@hikvision.com

#### **Hikvision Russia** T +7-495-669-67-99 saleru@hikvision.com

Hikvision Korea T +82-(0)31-731-8817 sales.korea@hikvision.com

Hikvision Poland T +48-22-460-01-50 info.pl@hikvision.com

Hikvision Indonesia T +62-21-2933759 Sales.Indonesia@hikvision.com

Hikvision Colombia sales.colombia@hikvision.com

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