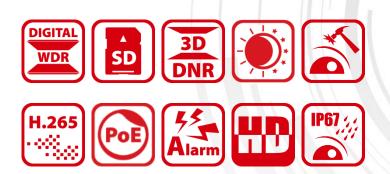


# DS-2DF8836IX-AEL(W) (B) 8MP 36× Network IR Speed Dome



Hikvision DS-2DF8836IX-AEL(W) 8MP 36× Network IR Speed Dome adopts 2/3" progressive scan CMOS chip. With the 36× optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

### **Key Features**

- 2/3" progressive scan CMOS
- Up to 4096 × 2160 resolution
- Min. Illumination: Color: 0.005 Lux @(F1.5, AGC ON)
  B/W: 0.0005 Lux @(F1.5, AGC ON)
  0 Lux with IR

HIKVISION

- 36× optical zoom, 16× digital zoom
- Digital WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 200 m IR distance
- Support H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Rapid focus
- IK10 IP67





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Image Sensor 2/3" progressive scan CMOS   Color: 0.005 Lux @(F1.5, AGC CN)   BW: 0.0005 Lux @(F1.5, AGC CN)   Shutter Time 1/1 is to 1/30,000 s   White Balance Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp   AGC Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp   AGC Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp   AGC Auto/Manual   Day & Night II: cut filter   Digital Zoom 16x   Privacy Mask 24 programmable polygon privacy masks   Focus Mode Auto/Semi-automatic/Manual   3D DNR Support   BLC Support   Optical Defog Support   Optical Defog Support   Biginal Exposure Support   Coon Speed Approx. 7.8 s (optical lens, wide-tele)   Focal Length 7.5 mm to 270 mm, 36x Optical   Zoom Speed Approx. 7.8 s (optical lens, wide-tele)   Working Distance 10 mm to 1500 mm (wide-tele)   Vertical field of view. 36.4" to 2.0" (wide-tele)   Vertical field of view. 35.4" to 2.10", kivide-tele)   Digman Heid Of view. 35.4" to 2.10", kivide-tele)   Vertical field of view. 36.4" to 2.11" (wide-tele)   Digman Heid	Camera Module	Specification
Color: 0.005 Lux @(F1.5, AGC ON) BW: 0.0005 Lux @(F1.5, AGC ON) 0 Lux with IR       Shutter Time     1/1 s to 1/30.000 s       White Balance     Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodum Lamp       AGC     Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodum Lamp       Digital Zoom     16×       Privacy Mask     24 programmable polygon privacy masks       Focus Mode     Auto/Semi-automatic/Manual       3D DNR     Support       BLC     Support       BLC     Support       Digital WOR     Support       Digital WOR     Support       BLS     Support       Bls     Support       Regional Exposure     Support       Regional Focus     Support       Borne     Focal Length     7.5 mm to 270 mm, 36× Optical       Zoom Speed     Approx. 7.8 s (optical lens, wide-tele)       Vertical field of view: 50.1° to 2.3° (wide-tele)     Vertical field of view: 50.2° to 2.3° (wide-tele)       Vertical field of view: 50.2° to 2.3° (wide-tele)     Vertical field of view: 50.2° to 2.3° (wide-tele)       Morement Range (Pan)     360° endless     Pantorescent Speed: 280°/s <td></td> <td>2/2" prograssivo sean CMOS</td>		2/2" prograssivo sean CMOS
Min. Illumination   B/W: 0.0005 Lux @(F1.5, AGC ON)     Shutter Time   1/1 s to 1/30,000 s     Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent     Lamp/Sodium Lamp     AGC   Auto/Manual     Day & Night   II comp/Sodium Lamp     AGC   Auto/Manual     Day & Night   II comp/Sodium Lamp     Day & Night   IR cut filter     Digital Zoom   16×     Privacy Mask   24 programmable polygon privacy masks     Focus Mode   Auto/Semi-automatic/Manual     3D DNR   Support     BLC   Support     Digital WDR   Support     Digital WDR   Support     Regional Focus   Support     Egional Focus   Support     Egional Focus   Support     Focal Length   7.5 mm to 270 mm, 36× Optical     Zoom Speed   Approx. 7.8 s (optical lens, wide-tele)     Prizerial Field of view: 56.1* to 2.0* (wide-tele)     Diagonal field of view: 56.2* to 2.3* (wide-tele)     Diagonal field of view: 56.2* to 2.3* (wide-tele)     Diagonal field of view: 56.2* to 2.0* (yide-tele)     Diagonal field of view: 56.2* to 2.0* (yide-tele)<	Image Sensor	
White Balance     Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp       AGC     Auto/Manual       Day & Night     IR cut filter       Digital Zoom     16×       Privacy Mask     24 programmable polygon privacy masks       Focus Mode     Auto/Semi-automatic/Manual       3D DNR     Support       BLC     Support       Digital WDR     Support       Digital WDR     Support       Digital WDR     Support       ElS     Support       ElS     Support       Regional Exposure     Support       Focal Length     7.5 mm to 270 mm, 36× Optical       Zoom Speed     Approx. 7.8 s (optical lens, wide-tele)       Focal Length     7.5 mm to 270 mm, 36× Optical       Zoom Speed     Approx. 7.8 s (optical lens, wide-tele)       Working Distance     10 mm to 1500 mm (wide-tele)       Movement Range (Pan)     360° endless       Para Speed     Configurable, from 0.1'/s to 210'/s, Preset Speed: 280'/s       Movement Range (Tit)     From .20' to 30' (Auto-filp)       Tit Speed     Configurable, from 0.1'/s to 150''s, Preset Speed: 250	Min. Illumination	B/W: 0.0005 Lux @(F1.5, AGC ON)
Writte BalahtiteLamp/Sodium LampAGCAuto/ManualAGCAuto/ManualDay & NightII cut filterDigital Zoom16×Privacy Mask24 programmable polygon privacy masksFocus ModeAuto/Semi-automatic/Manual3D DNRSupportBLCSupportBLCSupportDigital WDRSupportDigital WDRSupportDigital WDRSupportDigital WDRSupportRegional ExposureSupportRegional ExposureSupportEdent7.5 mm to 270 mm, 36× OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Horizontal field of view: 34.4 to 1.1' (wide-tele)Vertical field of view: 34.4 to 1.1' (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Vertical field of view: 34.4 to 1.1' (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Movement Range (Pan)360' endlessPan SpeedConfigurable, from 0.1's to 210''s, Preset Speed: 280'/sMovement Range (Till)From -20' to 90' (Auto-flip)Tit SpeedSupportPresetS300Pattern Scan4 pattern scan, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPreset PresetingSupportPreset PresetingSupportPreset PresetingSupportPreset PresetingSupport <t< td=""><td>Shutter Time</td><td>1/1 s to 1/30,000 s</td></t<>	Shutter Time	1/1 s to 1/30,000 s
Day & NightIR cut filterDigital Zoom16×Privacy Mask24 programmable polygon privacy masksFocus ModeAuto/Semi-automatic/Manual3D DNRSupportBLCSupportBLCSupportDigital WDRSupportDigital WDRSupportDigital WDRSupportRegional FocusSupportRegional FocusSupportElsSupportBoy DotSupportRegional FocusSupportSupportSupportLensTo mn to 270 mm, 36× OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Horizontal field of view: 53.4° to 2.0° (wide-tele)Yerking Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5Protectional SoloSupportWorking Distance300 m to 1500 rs, Preset Speed: 280'/sMovement Range (Pan)360° endlessPartol Scan8 patrols, up to 32 presets for each patrolPresets300Presets300Presets300Partol Scan4 pattern scan, record time over 10 minutes for each scanPower off Memory:SupportPark ActionScanScanPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPreset PresetingSupportPreset PresetingSupportPreset PresetingSupportPreset PresetingSupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Ti	White Balance	
Digital Zoom16×Privacy Mask24 programmable polygon privacy masksFocus ModeAuto/Semi-automatic/Manual3D DNRSupportBLCSupportBLCSupportDigital WDRSupportDigital WDRSupportDigital WDRSupportEISSupportEISSupportRegional ExposureSupportRegional FocusSupportEISSupportEisSupportEisSupportEisSupportEasTo moto 270 mm, 36× OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Heid of ViewVertical field of view: 33.4" to 2.0" (wide-tele)Vertical field of view: 33.4" to 2.1" (wide-tele)Diagonal Field of view: 33.4" to 2.1" (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZPoortional ZoomSupportPresets300Partol ScandS patrols, from 0.1"/s to 210"/s, Preset Speed: 280"/sMovement Range (Pan)360" endlessProportional ZoomSupportPresets300Pattern Scan4 patren scans, record time over 10 minutes for each scanPowerd FaceSupportPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami Scan/Dome Reboot/Dome Adjust/Aux OutputPreimeter ProtectionSupport <t< td=""><td>AGC</td><td>Auto/Manual</td></t<>	AGC	Auto/Manual
Privacy Mask24 programmable polygon privacy masksFocus ModeAuto/Semi-automatic/Manual3D DNRSupportBLCSupportBLCSupportDigital WDRSupportDigital WDRSupportDigital WDRSupportRegional ExposureSupportRegional ExposureSupportCom SpeedApprox.7.8 (optical lens, wide-tele)Horizontal field of view: 55.1° to 2.0° (wide-tele)Vertical field of view: 55.1° to 2.0° (wide-tele)Vertical field of view: 55.1° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°s to 210°/s, Preset Speed: 280°/sMovement Range (Pan)360° endlessPara SpeedConfigurable, from 0.1°s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan8 patrols, up to 32 presets for each patrolPatrol Scan8 patrols, up to 32 presets for each patrolPatrol ScanPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPreset FreetingSupportPreset FreetingSupportPreset FreetingSupportPreset FreetingSupportPreset FreetingSupportPreset FreetingSupportPreset FreetingSupportPreset FreetingSupportPreset FreetingSupport<	Day & Night	IR cut filter
Focus ModeAuto/Semi-automatic/Manual3D DNRSupportBLCSupportBLCSupportDigital WDRSupportOptical DefogSupportEISSupportRegional ExposureSupportRegional FocusSupportLensTorizontal field of view: 5.0° to 2.3° (wide-tele)Focal Length7.5 mm to 270 mm, 36× OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Horizontal field of view: 5.5.1° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 280°/sProportional ZoomSupportPresett300Patrol Scan8 patrols, up to 32 presets for each patrolPattern Scan4 pattern scan, record time over 10 minutes for each scanPower-off Memory:SupportPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPresetresingSupportPresetresingSupportPresetresingSupportPresetresingSupportPresetresingSupportPresetresingSupportPresetresingSupportPresetresingSu	Digital Zoom	16×
3D DNR   Support     BLC   Support     BLC   Support     Digital WDR   Support     Optical Defog   Support     EIS   Support     EIS   Support     Regional Exposure   Support     EIS   Support     Eens   Stopport     Focal Length   7.5 mm to 270 mm, 36× Optical     Zoom Speed   Approx. 7.8 s (optical lens, wide-tele)     Field of View   Vertical field of view: 56.1* to 2.0° (wide-tele)     Vertical field of view: 56.1* to 2.0° (wide-tele)     Dagonal field of view: 56.2* to 2.3° (wide-tele)     Working Distance   10 mm to 1500 mm (wide-tele)     Aperture Range   F1.5 to F4.5     PT   Movement Range (Pan)     360° endless   Configurable, from 0.1*/s to 110*/s, Preset Speed: 280*/s     Movement Range (Till)   From -20* to 90* (Auto-flip)     Tilt Speed   Configurable, from 0.1*/s to 150*/s, Preset Speed: 280*/s     Proportional Zoom   Support     Presets   300     Patrol Scan   8 patrols, up to 32 presets for each patrol     Patrol Scan   Preset/Pattern Scan/Patrol Scan/Auto Scan/Til	Privacy Mask	24 programmable polygon privacy masks
BLC Support   HLC Support   Digital WDR Support   Optical Defog Support   ElS Support   Regional Exposure Support   Regional Focus Support   Ens Support   Coal Length 7.5 mm to 270 mm, 36× Optical   Zoom Speed Approx. 7.8 s (optical lens, wide-tele)   Field of View Horizontal field of view: 56.1* to 2.0° (wide-tele)   Vertical field of view: 56.1* to 2.0° (wide-tele)   Diagonal field of view: 56.1* to 2.0° (wide-tele)   Working Distance 10 mm to 1500 mm (wide-tele)   Aperture Range 1.5 to F4.5   Pat Configurable, from 0.1*s to 210*/s, Preset Speed: 280*/s   Movement Range (Pan) 360° endless   Pan Speed Configurable, from 0.1*s to 510*/s, Preset Speed: 280*/s   Movement Range Tilt Spreed Configurable, from 0.1*s to 510*/s, Preset Speed: 280*/s   Movement Range Tilt Speed Configurable, from 0.1*s to 510*/s, Preset Speed: 280*/s   Proportional Zoom Support   Presets 300   Patrol Scan 8 patrols, up to 32 presets for each patrol   Patrol Scan 8 patrols, up to 32 presets for each patrol   Patrol Scan 8 patrols, up to 32 presets for each patrol   Patrol Scan <td< td=""><td>Focus Mode</td><td>Auto/Semi-automatic/Manual</td></td<>	Focus Mode	Auto/Semi-automatic/Manual
HLCSupportDigital WDRSupportOptical DefogSupportEISSupportRegional ExposureSupportRegional FocusSupportCost Length7.5 mm to 270 mm, 36x OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Horizontal field of view: 56.1° to 2.0° (wide-tele)Vertical field of view: 33.4° to 1.1° (wide-tele)Diagonal field of view: 62.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPraset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/PanoramScanScanPreset FreezingSupportPreset FreezingSupportPreset Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/PanoramScand/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/PanoramPerimeter ProtectionIntrusion, Line Crossing, Region Entrance, Region ExitingPerimeter ProtectionSupport and target types fulform and vehicle)	3D DNR	Support
Digital WDRSupportOptical DefogSupportEISSupportRegional ExposureSupportRegional FocusSupportLensFocal Length7.5 mm to 270 mm, 36× OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Horizontal field of view: 36.1* to 2.0° (wide-tele)Vertical field of view: 34* to 1.1° (wide-tele)Diagonal field of view: 34* to 1.1° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan& patrols, up to 32 presets for each patrolPattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPreset /Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram ScanPT2 Status DisplaySupportPreset FreezingSupportScheduled TaskSrese/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support and traget types (human and vehicle) 	BLC	Support
Optical DefogSupportEISSupportRegional ExposureSupportRegional FocusSupportLensFocal Length7.5 mm to 270 mm, 36× OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Horizontal field of view: 36.1* to 2.0° (wide-tele)Vertical Field of view: 34* to 1.1° (wide-tele)Vertical Field of view: 34* to 1.1° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1*/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1*/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan8 patrols, up to 32 presets for each patrolPatrol Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/PanoramScan/Dorne Reboot/Dome Adjust/Aux OutputSmart FeaturesPerimeter ProtectionIntrusion, Line Crossing, Region Entrance, Region ExitingPerimeter ProtectionSupport and target types such as leaf, light, animal, and flag, etc<	HLC	Support
EIS   Support     Regional Exposure   Support     Regional Focus   Support     Lens   Focal Length     7.5 mm to 270 mm, 36× Optical     Zoom Speed   Approx. 7.8 s (optical lens, wide-tele)     Horizontal field of view: 36.1° to 2.0° (wide-tele)     Vertical field of view: 36.2° to 2.3° (wide-tele)     Working Distance   10 mm to 1500 mm (wide-tele)     Aperture Range   F1.5 to F4.5     PTZ   Movement Range (Pan)     360° endless   Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s     Movement Range (Till)   From -0.20° to 90° (Auto-flip)     Tilt Speed   Configurable, from 0.1°/s to 150°/s, Preset Speed: 280°/s     Proportional Zoom   Support     Presets   300     Pattern Scan   & pattern scans, record time over 10 minutes for each scan     Power-off Memory:   Support     Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoramic Scan     PT Status Display   Support     Preset Freezing   Support     Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoramic Scan/Dome Rebot/Dome Adjust/Aux Output     Smart Features   Intrusion, Line Crossing, Re	Digital WDR	Support
Regional ExposureSupportRegional FocusSupportLensFocal Length7.5 mm to 270 mm, 36× OpticalZoom SpeedApprox. 7.8 (optical lens, wide-tele)Horizontal field of view: 56.1° to 2.0° (wide-tele)Viertical field of view: 33.4° to 1.1° (wide-tele)Diagonal field of view: 62.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Till)From -20° to 90° (Auto-flip)Till SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPT Status DisplaySupportPreset FreezingSupportPreset FreezingSupportPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami Scan/Panorami ScanPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanSupportPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPerimeter ProtectionIntrusion, Line Crossing, Region Entrance, Region ExitingSupoportSupport and and wehicle)<	Optical Defog	Support
Regional FocusSupportLensFocal Length7.5 mm to 270 mm, 36× OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Horizontal field of view: 56.1° to 2.0° (wide-tele)Field of ViewVertical field of view: 33.4° to 1.1° (wide-tele)Diagonal field of view: 62.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan& patrols, up to 32 presets for each patrolPattern Scan4 pattern scan, record time over 10 minutes for each scanPower-off Memory:SupportPreset /Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami ScanPatters ScanSupportPreset /Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesSupportPreset FreezingSupportPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorami Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, 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	EIS	Support
Lens     Focal Length   7.5 mm to 270 mm, 36× Optical     Zoom Speed   Approx. 7.8 s (optical lens, wide-tele)     Horizontal field of view: 35.1* to 2.0° (wide-tele)     Vertical field of view: 33.4* to 1.1° (wide-tele)     Diagonal field of view: 52.9* to 2.3° (wide-tele)     Working Distance   10 mm to 1500 mm (wide-tele)     Aperture Range   F1.5 to F4.5     PTZ   Movement Range (Pan)     Movement Range (Pan)   360° endless     Pan Speed   Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s     Movement Range (Tilt)   From -20° to 90° (Auto-flip)     Till Speed   Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s     Proportional Zoom   Support     Presets   300     Pattern Scan   & patrols, up to 32 presets for each patrol     Pattern Scan   4 pattern scan, record time over 10 minutes for each scan     Power-off Memory:   Support     Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoramic Scan/Dome Reboot/Dome Adjust/Aux Output     Scheduled Task   Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoramic Scan/Dome Reboot/Dome Adjust/Aux Output     Smart Features   Intrusion, Line Crossing, Region Entrance, Region E	Regional Exposure	Support
Focal Length7.5 mm to 270 mm, 36× OpticalZoom SpeedApprox. 7.8 s (optical lens, wide-tele)Field of ViewHorizontal field of view: 35.6 1° to 2.0° (wide-tele) Diagonal field of view: 63.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Till SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset PretereSupportPreset PretereSupportPreset PretereSupportPreset PretereSupportPreset PretereSupportPreset PretereSupportPreset PretereSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram ScanPerimeter ProtectionIntrusion, 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	Regional Focus	Support
Zoom SpeedApprox. 7.8 s (optical lens, wide-tele)Field of ViewHorizontal field of view: 56.1° to 2.0° (wide-tele) Vertical field of view: 56.2° to 2.3° (wide-tele) Diagonal field of view: 62.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan& patrols, up to 32 presets for each patrolPattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesPerimeter ProtectionPerimeter ProtectionFiltering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	Lens	
Horizontal field of view: 56.1° to 2.0° (wide-tele) Vertical field of view: 33.4° to 1.1° (wide-tele) Diagonal field of view: 33.4° to 1.1° (wide-tele) Diagonal field of view: 62.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessSamePan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-filip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan8 patrols, up to 32 presets for each patrolPower-off Memory:SupportPreset/Pattern Scan, record time over 10 minutes for each scanPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, 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.	Focal Length	7.5 mm to 270 mm, 36× Optical
Field of ViewVertical field of view: 33.4° to 1.1° (wide-tele) Diagonal field of view: 62.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: ScanPTZ Status DisplaySupportPreset FreezingSupportSupportSupportPreset FreezingSupportPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support larm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	Zoom Speed	Approx. 7.8 s (optical lens, wide-tele)
Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan8 patrols, up to 32 presets for each patrolPattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, 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.	Field of View	Vertical field of view: 33.4° to 1.1° (wide-tele)
PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan8 patrols, up to 32 presets for each patrolPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, 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	Working Distance	10 mm to 1500 mm (wide-tele)
Movement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan8 patrols, up to 32 presets for each patrolPower-off Memory:SupportPreset/Pattern Scan, record time over 10 minutes for each scanPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, 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	Aperture Range	F1.5 to F4.5
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Pattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, 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	Presets	300
Power-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, 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	Patrol Scan	8 patrols, up to 32 presets for each patrol
Park ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, 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	Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Park Action   Scan     PTZ Status Display   Support     Preset Freezing   Support     Scheduled Task   Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output     Smart Features   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.	Power-off Memory:	Support
Preset Freezing   Support     Scheduled Task   Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output     Smart Features   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.	Park Action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
Scheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesPerimeter ProtectionIntrusion, 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.	PTZ Status Display	Support
Scheduled Task   Scan/Dome Reboot/Dome Adjust/Aux Output     Smart Features   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	Preset Freezing	Support
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	Scheduled Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output
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 Features	
	Perimeter Protection	
Event Detection Face Detection, Audio Exception Detection	Event Detection	Face Detection, Audio Exception Detection



Smart Tracking	Manual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle), Event Tracking	
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA	
ROI	Support	
IR		
IR Distance	200 m	
Smart IR	Support	
Network		
Max. Resolution	4096 × 2160	
Main Stream	50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)	
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)	
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)	
ROI	Support	
SVC	Support	
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 H.264 with Baseline/Main/High Profile	
Audio compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour	
Simultaneous Live View	Up to 20 channels	
User/Host	Up to 32 users 3 levels: Administrator, Operator and User	
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering	
System Integration		
Alarm Interface	7-ch alarm input/2-ch alarm output	
Audio Interface	1-ch audio input (applicable microphone, plug-in power type), 2 to 2.4 V[p-p], 1 K $\Omega$ ± 10% 1-ch audio output, line level, impedance: 600 $\Omega$	
Alarm Linkage	Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.	
Network Interface	1 RJ45 10 M/100 M Ethernet Interface; Hi-PoE	
CVBS	Support	
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR	
ΑΡΙ	Open-ended, support ONVIF, and CGI, support HIKVISION SDK and Third-Party Management Platform	
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect	
Web Browser	IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51	
General		
Power	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	
Working Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	
Working Humidity	≤ 90%	
Protection Level	IP67 Standard, IK10 (only supported by camera without wiper), TVS 6,000V Lightning Protection, Surge Protection and Voltage Transient Protection	

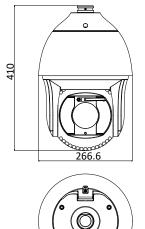


Dimensions	Φ 266.6 mm × 410 mm (Φ 10.50" × 16.14")
Weight	Approx. 8 kg (17.64 lb)

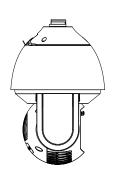
## **Order Model**

DS-2DF8836IX-AEL	(B), without wiper, 24 VAC & Hi-PoE
DS-2DF8836IX-AELW	(B), with wiper, 24 VAC & Hi-PoE

## Dimensions



o



Unit: mm



#### Accessories

0. J p.0		DS-1604ZJ	Wall Mounting Bracket
6	a P	DS-1604ZJ-box	Wall Mounting Bracket with Junction Box
		DS-1604ZJ-box-pole	Vertical Pole Mounting Bracket with Junction Box
		DS-1604ZJ-box-corner	Wall Mounting Bracket with Junction Box
7		DS-1660ZJ	Parapet Wall Mounting Bracket
	D	DS-1619ZJ	Gooseneck Mounting Bracket
	Ì.	DS-1661ZJ	Pendant Mounting Bracket
	ted by	DS-1662ZJ	Pendant Mounting Bracket
1	P	DS-1663ZJ	Ceiling Mounting Bracket
		DS-1667ZJ	Extendable Pole for Pendant Mounting Bracket
h	NU SION	DS-1673ZJ	Horizontal Pole Mounting Bracket
	jiang Distri 71-8807-5998 sbusiness@hikvision.com	<sub>ct</sub> DS-1682ZJ	Extendable Pole for Pendant Mounting Bracket

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