

DS-2DE7174 Series

E Series 1.3 Megapixel Network IR Speed Dome



Key features

IR function:

- 0 Lux minimum illumination
- Up to 120m IR distance
- IR light MTBF reaching up to 30,000 hours
- Smart IR mode

System function:

- High performance CMOS, up to 1280x960 resolution
- ±0.1° Preset Accuracy
- ONVIF(Open Network Video Interface Forum), CGI(Common Gateway Interface), PSIA(Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility
- 3D intelligent positioning function
- IP66 standard
- Power-off memory function: restore PTZ & Lens status after reboot
- Support ezviz cloud P2P

Smart function:

- Smart detection: intrusion detection, line crossing detection, audio exception detection
- Smart recording: edge recording, support smart search in smart NVR
- Smart image processing: defog
- Smart codec: low bit rate, ROI

PTZ function:

- 360° endless pan range and -15°-90° tilt range
- 240°/s Pan Preset Speed and 200°/s Tilt Preset Speed
- 0.1°-160°/s Manual Pan Speed and 0.1°-120°/s Manual Tilt Speed
- 300 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol



Proportional zoom function

Network function:

- H.264/ MPEG4 video compression and the latest processing chip and platform
- Built-in Web server
- Micro SD card local storage(SD card is optional)
- Support up to 8 NAS storage; Transmit the videos from SD card to the NAS after network resumed
- HTTPS encryption and IEEE 802.1X port-based network access control
- Support dual-stream; H.264/MPEG4 video compression; Basic and advanced video configuration; Real time video at 960P or 720P
- Multiple network protocols supported: IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
- 1 audio input and 1 audio output
- 2 alarm input and 1 alarm output, alarm linkage support preset, patrol, pattern, recording, realay output, upload center, etc.

Application Scenarios

It can be widely applied to places with no lights or weak lights requiring wide-area and high-definition monitoring, such as rivers, forests, highways, railways, airports, ports, sentries, squares, parks, scenic sites, streets, stations, large venues, outside of residential areas, etc.

Specifications

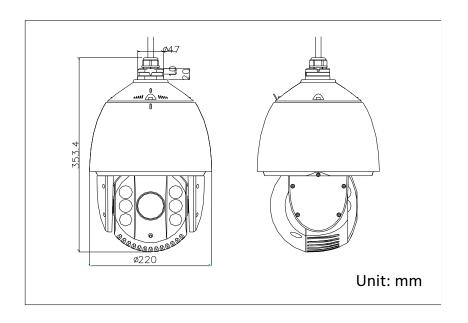
		DS-2DE7174-A: 24VAC, Outdoor DS-2DE7174-AE: 24VAC & Hi-PoE, Outdoor
D	Model	
Parameter		E Series 1.3 Megapixel Network IR Speed Dome
	Image Sensor	1/3" Progressive Scan CMOS
	Effective Pixel	1320K pixels
		Color : 0.05 lux (F1.4, 1/30 sec, 50 IRE, AGC On)
		B/W: 0.01 lux (F1.4, 1/30 sec, 50 IRE, AGC On)
	Min. Illumination	0 lux with IR
	Willi. Illumination	Color: 0.02 lux (F1.4, 1/1 sec, 50 IRE, AGC On)
Camera		B/W: 0.002 lux (F1.4, 1/1 sec, 50 IRE, AGC On)
		0 lux with IR
	White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
	AGC	Auto / Manual
	S / N Ratio	≥ 52dB
	3D DNR	Support
	BLC	Support
	HLC	Support
	DWDR	Support
	Defog	Support
	Shutter Time	1-1/10,000s
	Day & Night	IR Cut Filter

HIKVISION

Digital Zoom		11310IV	
Focus Mode		Digital Zoom	16X
Focal Length		Privacy Mask	2 privacy masks programmable
Zoom Speed Approx.3s(Optical Wide-Tele)		Focus Mode	Auto / Semiautomatic / Manual
Lens Angle of View Ss.3-3.2 degree (Wide-Tele)		Focal Length	4.7-94.0mm, 20x
Min. Working Distance 10-1,000mm(Wide-Tele)	Lens	Zoom Speed	Approx.3s(Optical Wide-Tele)
Aperture Range F1.4-F3.5 Pan Range 360° endless Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s Tilt Range -15°-90° (Auto Flip) Tilt Manual Speed: 0.1°-120°/s, Tilt Speed Tilt Speed Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s Proportional Zoom Rotation speed can be adjusted automatically according to zoom multiples Number of Preset 300 Patrol 8 patrols, up to 32 presets per patrol Park action Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan Power-off Memory Support PT2 Position Display On / Off Preset Freezing Support Scheduled Task Dome reboot / Dome adjust / Aux output Infrared IR Distance 120m IR Intensity Automatically adjusted, depending on the zoom ratio Alarm Input 2 (0-5v DC) Alarm Output 1 relay output, alarm response actions configurable Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception Addio Output 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio Output 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Aux. Image Resolution 50Hz: 25fps(1280×960), 25fps (1280×720)		Angle of View	58.3-3.2 degree (Wide-Tele)
Pan Range 360° endless Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s Tilt Range -15°-90° (Auto Flip) Tilt Speed Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s Proportional Zoom Rotation speed can be adjusted automatically according to zoom multiples Number of Preset 300 Patrol 8 patrols, up to 32 presets per patrol Park action Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan Power-off Memory Support PTZ Position Display On / Off Preset Freezing Support Scheduled Task Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust / Aux output Infrared IR Intensity Automatically adjusted, depending on the zoom ratio 2 (0-5v DC) Alarm Input 1 relay output, alarm response actions configurable Input/Output 1 relay output, alarm response actions configurable Alarm Trigger Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception Alarm Actions Preset, Patrol, Pattern, Recording, Relay output, Upload erneter, upload FTP, emall linkage Audio Input 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio Output 1 output, Line level, impedance: 600Ω Ethernet 10Base-T/, 100Base-TX, RJ45 connector Max. Image Resolution 50Hz:25fps(1280×960), 25fps (1280×720)		Min. Working Distance	10-1,000mm(Wide-Tele)
Pan Amanual Speed: 0.1*-160*/s, Pan Speed Pan Manual Speed: 0.1*-160*/s, Pan Preset Speed: 240*/s Tilt Range Tilt Manual Speed: 0.1*-120*/s, Tilt Preset Speed: 200*/s Proportional Zoom Rotation speed can be adjusted automatically according to zoom multiples Number of Preset Partol Park action Park action Power-off Memory Preset Freezing Support Preset Freezing Scheduled Task Infrared IR Distance IR Itensity Alarm Input Alarm Trigger Alarm Output Alarm Trigger Alarm Actions Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload ETP, email linkage Audio Input Audio Output 1 output, Line level, impedance: 6000 Ethernet Max. Image Resolution Pan Preset Speed: 240*/s Tilt Range 120*/s Proportional Zoom Rotation speed can be adjusted automatically according to zoom multiples 300 Rotation speed speed: 0.1*-120*/s, Tilt Preset Speed: 200*/s Tilt Manual Speed: 0.1*-120*/s, Tilt Preset Speed: 240*/s Proportional Zoom Rotation speed can be adjusted automatically according to zoom multiples Alarm Actions Preset, Prame Scan / Random scan / Patrol, Patron, Pat		Aperture Range	F1.4- F3.5
Pan Speed Pan Preset Speed: 240"/s Tilt Range Tilt Range Tilt Manual Speed: 0.1"-120"/s, Tilt Preset Speed: 200"/s Proportional Zoom Rotation speed can be adjusted automatically according to zoom multiples Number of Preset Patrol Park action Patren/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan Power-off Memory PTZ Position Display Preset Freezing Scheduled Task Infrared IR Distance IR Intensity Alarm Input Alarm Trigger Jame Action Alarm Trigger Auto scan/Pattern, Recording, Relay output, Upload center, upload FTP, email linkage Audio Input Audio Output 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Aux. Image Resolution 1280×960 S0H2:25fps(1280×960), 25fps (1280×720)		Pan Range	360° endless
Pan Preset Speed: 240°/s Tilt Range		Dan Canada	Pan Manual Speed: 0.1°-160°/s,
Tilt Speed Tilt Speed Tilt Speed Tilt Preset Speed: 0.1'-120'/s, Tilt Preset Speed: 200'/s		Pan Speed	Pan Preset Speed: 240°/s
Pan and Tilt Tilt Treset Speed: 200°/s		Tilt Range	-15°-90° (Auto Flip)
Pan and Tilt Proportional Zoom Rotation speed can be adjusted automatically according to zoom multiples Number of Preset 300 Patrol 8 patrols, up to 32 presets per patrol Park action Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan Power-off Memory Support PTZ Position Display On / Off Preset Freezing Support Scheduled Task Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust / Aux output Infrared IR Distance 120m Alarm Input 2 (0-5v DC) Alarm Output 1 relay output, alarm response actions configurable Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception Alarm Actions Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage Audio Input 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio Output 1 output, Line level, impedance: 600Ω Ethernet 10Base-T / 100Base-TX, R145 connector Max. Image Resolution 50H2:25fps(1280×960), 25fps (1280×720) Frame Rate		T II. 0	Tilt Manual Speed: 0.1°-120°/s,
Number of Preset 300		Tilt Speed	Tilt Preset Speed: 200°/s
Tilt Patrol 8 patrols, up to 32 presets per patrol Park action Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan Power-off Memory Support PTZ Position Display On / Off Preset Freezing Support Scheduled Task Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust / Aux output Infrared IR Distance 120m IR Intensity Automatically adjusted, depending on the zoom ratio Alarm Input 2 (0-5v DC) Alarm Output 1 relay output, alarm response actions configurable Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception Alarm Actions Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage Audio Input 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio Output 1 output, Line level, impedance: 600Ω Ethernet 10Base-T / 100Base-TX, RJ45 connector Max. Image Resolution 50Hz:25fps(1280×960), 25fps (1280×720)		Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Patrol R patrols, up to 32 presets per patrol		Number of Preset	300
Power-off Memory Support	Tilt	Patrol	8 patrols, up to 32 presets per patrol
PTZ Position Display Preset Freezing Support Scheduled Task Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust / Aux output IR Distance IR Intensity Automatically adjusted, depending on the zoom ratio Alarm Input Alarm Output 1 relay output, alarm response actions configurable Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception Alarm Actions Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage Audio Input 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio Output 1 output, Line level, impedance: 600Ω Ethernet 10Base-T / 100Base-TX, RJ45 connector Max. Image Resolution Frame Rate 50Hz:25fps(1280×960), 25fps (1280×720)		Park action	Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan
Preset Freezing Support		Power-off Memory	Support
Scheduled Task Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust / Aux output		PTZ Position Display	On / Off
Scheduled Task Dome reboot / Dome adjust / Aux output		Preset Freezing	Support
Infrared IR Distance 120m			Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan /
Infrared IR Intensity Automatically adjusted, depending on the zoom ratio		Scheduled Task	Dome reboot / Dome adjust / Aux output
IR Intensity	16	IR Distance	120m
Input/ OutputAlarm Output1 relay output, alarm response actions configurableInput/ OutputAlarm TriggerIntrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exceptionAlarm ActionsPreset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkageAudio Input1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%Audio Output1 output, Line level, impedance: 600ΩEthernet10Base-T / 100Base-TX, RJ45 connectorMax. Image Resolution1280×960Frame Rate50Hz:25fps(1280×960), 25fps (1280×720)	intrared	IR Intensity	Automatically adjusted, depending on the zoom ratio
Input/ OutputIntrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exceptionAlarm ActionsPreset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkageAudio Input1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10%Audio Output1 output, Line level, impedance: 600ΩEthernet10Base-T / 100Base-TX, RJ45 connectorMax. Image Resolution1280×960Frame Rate50Hz:25fps(1280×960), 25fps (1280×720)		Alarm Input	2 (0-5v DC)
Input/ Output Alarm Trigger Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception Alarm Actions Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage Audio Input 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio Output 1 output, Line level, impedance: 600Ω Ethernet 10Base-T / 100Base-TX, RJ45 connector Max. Image Resolution 1280×960 Frame Rate 50Hz:25fps(1280×960), 25fps (1280×720)		Alarm Output	1 relay output, alarm response actions configurable
Output Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception Alarm Actions Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage Audio Input 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio Output 1 output, Line level, impedance: 600Ω Ethernet 10Base-T / 100Base-TX, RJ45 connector Max. Image Resolution 1280×960 Frame Rate 50Hz:25fps(1280×960), 25fps (1280×720)		Alama Trianan	Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection,
Alarm Actions Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage Audio Input 1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: 1KΩ, ±10% Audio Output 1 output, Line level, impedance: 600Ω Ethernet 10Base-T / 100Base-TX, RJ45 connector Max. Image Resolution 1280×960 Frame Rate 50Hz:25fps(1280×960), 25fps (1280×720)		Alarm Trigger	Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Audio Output 1 output, Line level, impedance: 600Ω Ethernet 10Base-T / 100Base-TX, RJ45 connector Max. Image Resolution 1280×960 Frame Rate 50Hz:25fps(1280×960), 25fps (1280×720)	Output	Alarm Actions	Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage
Ethernet 10Base-T / 100Base-TX, RJ45 connector Max. Image Resolution 1280×960 Frame Rate 50Hz:25fps(1280×960), 25fps (1280×720)		Audio Input	1 audio input (Mic/Line in), 2-2.4V[p-p]; output impedance: $1K\Omega$, $\pm 10\%$
Max. Image Resolution 1280×960 50Hz:25fps(1280×960), 25fps (1280×720) Frame Rate		Audio Output	1 output, Line level, impedance: 600Ω
50Hz:25fps(1280×960), 25fps (1280×720) Frame Rate		Ethernet	10Base-T / 100Base-TX, RJ45 connector
Frame Rate		Max. Image Resolution	1280×960
60Hz:30fps(1280×960), 30fps (1280×720)		Frame Rate	50Hz:25fps(1280×960), 25fps (1280×720)
	Network		60Hz:30fps(1280×960), 30fps (1280×720)
Network Image Compression H.264/MJPEG		Image Compression	H.264/MJPEG
ROI encoding Support 2 areas with adjustable levels		ROI encoding	Support 2 areas with adjustable levels
Audio Compression G.711/G.722/G.726/MP2L2		Audio Compression	G.711/G.722/G.726/MP2L2
IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP,		Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP,
TCP, UDP, IGMP, ICMP, DHCP, PPPoE			TCP, UDP, IGMP, ICMP, DHCP, PPPoE

	Number of	
	Simultaneous Live	
	View	Up to 20
	Dual Streams	Support
	Mini SD Memory Card	Micro SD Slot, up to 128GB, edge recording
	User/Host Level	Up to 32 users,3 Levels: Administrator, Operator and User
		User authentication (ID and PW),
	Security Measures	Host authentication (MAC address)
		IP address filtering
	Interface for	Open-ended API, support Onvif, PSIA and CGI
	application	
	programming	Support ezviz cloud P2P
	Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +
	Power	24 VAC(for –A model), Hi-PoE & 24 VAC(for -AE model)
		Max. 40W(IR LED 12W, Heater 6W)
C	Working Temperature	-30 ℃-65℃(-22°F-149°F)
System	/ Humidity	90% or less
Integration	Protection Level	IP66 standard
		TVS 4,000V lightning protection, surge protection and voltage transient protection
	Mounting	Various mounting modes optional
	Dimensions	Ф220×353.4mm (Ф8.66″×13.91″)
	Mount Option (only	Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-
	suitable for outdoor	
	dome)	pole; Power box mount:DS-1602ZJ-box

Dimensions





Order models

- DS-2DE7174-A, 24VAC, outdoor
- DS-2DE7174-AE, 24VAC & Hi-PoE, outdoor

Accessories



DS-1602ZJ Long-arm wall mount bracket