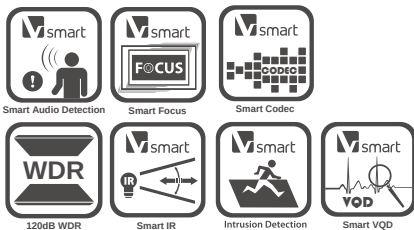


DS-2CD4312FWD-IZHS

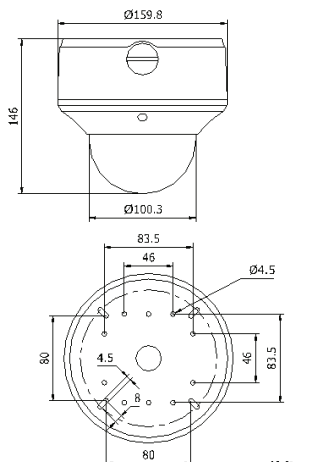
1.3 MP WDR Outdoor Dome Network Camera



Key Features

- Up to 1280 x 960 High Resolution
- HD720p Video
- Smart Codec
- 120 dB WDR, 3D DNR
- Triple Streams
- On-Board Storage, Up to 128 GB
- Smart Focus: Motorized VF Lens
- Smart Video Quality Detection (VQD)
- Intrusion Detection
- Built-In Heater and Fan
- Defog
- 8 mm to 32 mm Motorized VF Lens Option
- People Counting

Dimension (unit: mm)



Camera	
Image Sensor	1/3" progressive scan CMOS
Minimum Illumination	Color: 0.014 lux @ f/1.4, AGC on; B/W: 0 lux with IR
Shutter Speed	1s to 1/100,000 s
Slow Shutter	Yes
Lens	2.8 mm to 12 mm @ f/1.4, angle of view: 98.4° to 30.2° (motorized VF lens) -8: 8 mm to 32 mm @ f/1.4, angle of view: 27.8° to 9.1° (motorized VF lens)
Lens Mount	Φ14
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotation: 0° to 355°
Auto Iris	DC drive
Day/Night	ICR (auto/schedule/alarm trigger)
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120 dB WDR
Compression Standard	
Video Compression	H.264/MPEG4/MJPEG
H.264 Codec Profile	Baseline/main/high profile
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.726/MP2L2
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.726)
Image	
Maximum Resolution	1280 x 960
Frame Rate	50 Hz: 25 fps (1280 x 960), 25 fps (1280 x 720) 60 Hz: 30 fps (1280 x 960), 30 fps (1280 x 720)
Third Stream	Independent setting, up to: 50 Hz: 25 fps (1280 x 960), 60 Hz: 30 fps (1280 x 960)
Image Settings	Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or Web browser
BLC	Yes, zone configurable
Defog	Yes
EIS	Yes
Picture Overlay	128 x 128, BMP 24-bit, zone configurable
ROI	Yes, up to 4 configurable areas for each of 3 streams
Network	
Network Storage	NAS
Alarm Trigger	Intrusion detection, defocus detection, motion detection, line crossing detection, dynamic analysis, 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, reset
System Compatibility	ONVIF, PSIA, CGI, ISAPI
Interface	
Communication Interface	1 RJ-45 10M/100M Ethernet port
Video Output	1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation)
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
General	
Operating Conditions	-40° C to 60° C (-40° F to 140° F), with smart heater on, humidity 95% or less (non-condensing)
Power Supply	24 VAC ±10%, PoE (802.3af)
Power Consumption	Maximum 12 W
IR Range	Up to 30 m
Ingress Protection	IP66
Impact Protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10
Dimensions	Φ 159.8 mm x 146 mm (Φ6.29" x 5.75")
Weight	2100 g (4.62 lbs.)

Order Models

DS-2CD4312FWD-IZHS (2.8 mm to 12 mm @ f/1.4, angle of view: 98.4° to 30.2°, motorized VF lens)

DS-2CD4312FWD-IZHS8 (8 mm to 32 mm @ f/1.4, angle of view: 27.8° to 9.1°, motorized VF lens)