

25 SERIES

HC25DExR2

HC25WExR2

2/4/5/8 MP - IR MFZ Eyeball Camera



3 YEAR
WARRANTY

ONVIF® | **SGTM**

OPERATIONAL	
RAM	HC25DExR2: 1 Gigabit HC25WExR2: 2 Gigabits
Flash	2 Gigabits
Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	HC25DE2R2/HC25DE4R2: 1/3" HC25WE5R2/HC25WE8R2: 1/2.7"
Sensor Size (H x V)	HC25DE2R2: 5.184 mm x 2.196 mm HC25DE4R2: 5.120 mm x 2.880 mm HC25WExR2: 5.76 mm x 3.24 mm
Number of Pixels (H x V)	HC25DE2R2: 1920 x 1080 HC25DE4R2: 2560 x 1440 HC25WE5R2: 2880 x 1620 HC25WE8R2: 3840 x 2160
Minimum Illumination (Color/BW)	HC25DE2R2: Color: 0.0045 Lux@30IRE,F1.6 BW: 0 Lux (IR LED ON) HC25DE4R2: Color: 0.007 Lux@30IRE,F1.6 BW: 0 Lux (IR LED ON) HC25WE5R2: Color: 0.009 Lux@30IRE,F1.6 BW: 0 Lux (IR LED ON) HC25WE8R2: Color: 0.02 Lux@30IRE,F1.6 BW: 0 Lux (IR LED ON)
S/N Ratio	55 dB
Electronic Shutter Speed	1/5 to 1/20,000 s
IR Distance	IR up to 40 m (131.2ft)
IR Light Control	Smart/Manual/OFF
IR Light Number	4
Day/Night	Auto / Day Mode / Night Mode / Timing
Backlight Compensation	HC25DExR2: WDR, BLC, HLC, LDC HC25WExR2: WDR, BLC, HLC
White Balance	Auto / Tungsten / Fluorescent / Daylight / Shadow / Manual
Gain Control	0 ~ 100%
Wide Dynamic Range	HC25DE2R2: 80 dB HC25DE4R2: 90 dB HC25WExR2: 120 dB
Noise Reduction	2D / 3D DNR
Lens	2.7-13.5 mm, F1.6, MFZ
Angle of View (H x V)	HC25DExR2: H: 90.4°(Wide) ~ 29°(Tele) V: 48.1°(Wide) ~ 16.3°(Tele) HC25WExR2: H: 102°(Wide) ~ 33.2°(Tele) V: 54.5°(Wide) ~ 18.5°(Tele)
Privacy Masking	Off/On (4 Areas)
Defog	Supported
Local Storage	Micro SD (up to 1 TB)
Alarm Inputs / Outputs	HC25WExR2: 1 In / 1 Out
Pan Range	0°~360°
Tilt Range	0°~80°
Rotation Range	0°~360°

VIDEO	
Video Compression	H.265 HEVC/H.264/MJPEG, Smart Codec
Resolution	HC25DE2R2: Stream 1 1920 x 1080, 1280 x 720 Stream 2 704 x 576(PAL)/704 x 480(NTSC), 640 x 360, 480 x 360, 352 x 288(PAL)/352 x 240(NTSC) HC25DE4R2: Stream 1 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720 Stream 2 704 x 576(PAL)/704 x 480(NTSC), 640 x 360, 480 x 360, 352 x 288(PAL)/352 x 240(NTSC) HC25WE5R2: Stream 1 2880 x 1620/2592 x 1520/1920 x 1080/1280 x 720 Stream 2 704 x 576(PAL)/704 x 480(NTSC)/640 x 480/352 x 288(PAL)/352 x 240(NTSC) Stream 3 640 x 480/352 x 288(PAL)/352 x 240(NTSC)/320 x 240 HC25WE8R2: Stream 1 3840 x 2160, 2880 x 1620, 2592 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720 Stream 2 704 x 576(PAL) / 704 x 480(NTSC) / 640 x 480 / 352 x 288(PAL) / 352 x 240(NTSC) Stream 3 640 x 480/352 x 288(PAL) / 352 x 240(NTSC) / 320 x 240
Number of Video Streams	HC25DExR2: 2 HC25WExR2: 3
Frame Rate Main Stream	HC25DExR2/HC25WE5R2: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25WE8R2: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps
Frame Rate Second Stream	HC25DExR2/HC25WE5R2: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25WE8R2: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps
Frame Rate Third Stream	HC25WE5R2: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25WE8R2: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps

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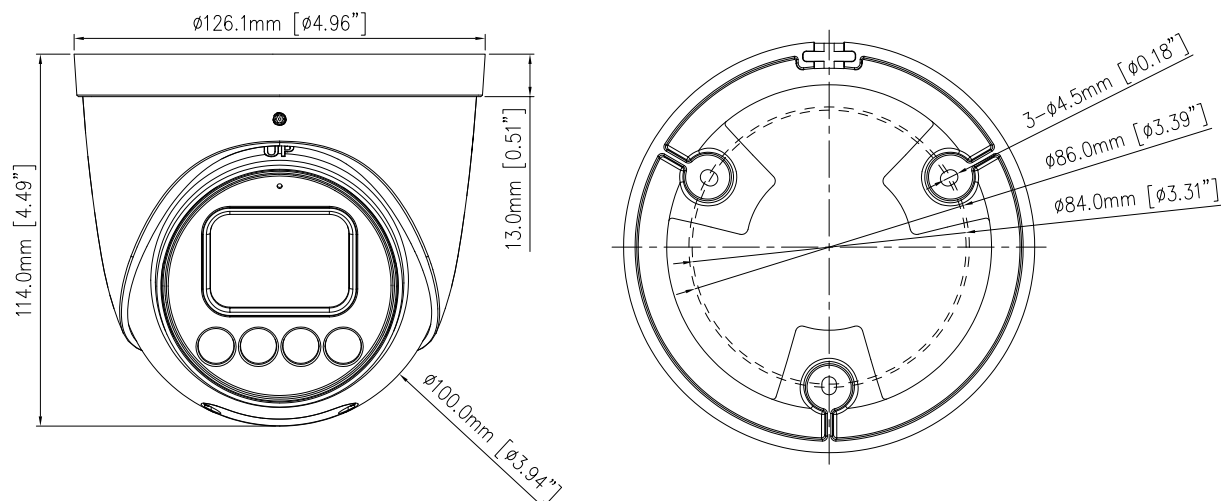
Bit Rate	HC25DE2R2: H.264/H.265 1920 × 1080, 1280 × 720 @25/30fps 500-4096kbps 704 × 576(PAL)/704 × 480(NTSC) @25/30fps 128-4096kbps 640 × 360, 480 × 360, 352 × 288(PAL)/352 × 240(NTSC) @25/30fps 128-1500kbps MJPEG 1920 × 1080, 1280 × 720 @12fps 500-4096kbps 704 × 576(PAL)/704 × 480(NTSC) @12fps 128-4096kbps 640 × 360, 480 × 360, 352 × 288(PAL)/352 × 240(NTSC) @12fps 128-1500kbps HC25DE4R2: H.264/H.265 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 @25/30fps 500-3072kbps 704 × 576(PAL)/704 × 480(NTSC) @25/30fps 100-3072kbps 640 × 360, 480 × 360, 352 × 288(PAL)/352 × 240(NTSC) @25/30fps 100-1500kbps MJPEG 1920 × 1080, 1280 × 720 @12fps 500-3072kbps 704 × 576(PAL)/704 × 480(NTSC) @12fps 100-3072kbps 640 × 360, 480 × 360, 352 × 288(PAL)/352 × 240(NTSC) @12fps 100-1500kbps HC25WE5R2: H.264/H.265 2880 × 1620, 2592 × 1520, 1920 × 1080 @25/30fps 500-8000kbps 1280 × 720 @25/30fps 200-8000kbps 704 × 576(PAL)/704 × 480(NTSC) @25/30fps 100-6000kbps 640 × 480 @25/30fps 100-3000kbps 352 × 288(PAL)/352 × 240(NTSC), 320 × 240 @25/30fps 100-1500kbps MJPEG 1920 × 1080 @12fps 500-8000kbps 1280 × 720 @12fps 200-8000kbps 704 × 576(PAL)/704 × 480(NTSC) @12fps 100-6000kbps 640 × 480 @12fps 100-3000kbps 352 × 288(PAL)/352 × 240(NTSC), 320 × 240 @12fps 100-1500kbps HC25WE8R2: H.264/H.265 3840 × 2160, 2880 × 1620, 2592 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080 @25fps (WDR on 20fps) 500-8000kbps 1280 × 720 @25fps (WDR on 20fps) 200-8000kbps 704 × 576(PAL)/704 × 480(NTSC) @25fps (WDR on 20fps) 100-6000kbps 640 × 480 @25fps (WDR on 20fps) 100-3000kbps 352 × 288(PAL)/352 × 240(NTSC), 320 × 240 @25fps (WDR on 20fps) 100-1500kbps MJPEG 1920 × 1080 @12fps 500-8000kbps 1280 × 720 @12fps 200-8000kbps 704 × 576(PAL)/704 × 480(NTSC) @12fps 100-6000kbps 640 × 480 @12fps 100-3000kbps 352 × 288(PAL)/352 × 240(NTSC), 320 × 240 @12fps 100-1500kbps
AUDIO	
Audio Compression	G711ALAW, G711ULAW, RAWPCM
Audio Stream	HC25DEXR2: 1-way, audio input HC25WExR2: 2-way, full duplex
Audio Interface	HC25DEXR2: Built-in Mic HC25WExR2: 1 Line In / 1 Line Out, Built-in Mic
NETWORK	
Ethernet	10 Base-T/100 Base-TX Ethernet (RJ-45)
Supported Web Browsers	Chrome, Firefox, Microsoft Edge
Supported OS	Microsoft Windows 10, 11
Protocols*	IPv4, IPv6, TCP / IP, HTTP, HTTPS, UPnP, RTSP / RTP / RTCP, IGMP / Multicast, SMTP, DHCP, NTP, DNS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS/SSL, FTP/SFTP/FTPS, DDNS, Bonjour, System Log
Interoperability	ONVIF Profile S/G/T/M
Maximum Users Access	10 Users
Security	User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.3, Stream encryption, AES128 /256, SSH / Telnet closed OS / Firmware Protect, Firmware encryption User authentication Digest Authentication, Prevent brute-force attack Network authentication 802.1X Authentication(EAP-TLS) Audit User Access/System/Event log management Secure Storage SD card partition encryption Secure Boot
Languages Supported	Arabic, Chinese (Traditional), Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Spanish, Turkish

EVENTS/ANALYTICS	
Video Analytics	HC25DExR2: Motion detection, Smart motion, Scene Change, Intrusion, Line Crossing HC25WExR2: Motion detection, Smart motion, Scene Change, Intrusion, Multi loitering, People counter, Line crossing Detection, Face Detection, Unattended Object, MissingObject, Multi-Object Detection
Event Type	HC25DExR2: Analytics alarm, Security alarm, SD Card Alarm, Recording alarm, Audio Detection, Illegal Access Alarm HC25WExR2: Motion detection, Smart motion, Scene Change, Intrusion, Multi loitering, People counter, Line crossing Detection, Face Detection, Unattended Object, MissingObject, Multi-Object Detection
Event Linkage	HC25DExR2: SMTP, Alarm record, FTP Uploading HC25WExR2: SMTP, Alarm record, FTP Uploading, Alarm Output, Audio Output
Region of Interest	8
ELECTRICAL	
Power Supply	DC12V [±] 1A; or PoE 44-57V [±] , 350mA
Power Consumption (Max)	HC25DExR2: Max. 6.5 W HC25WExR2: Max. 7 W
MECHANICAL	
Dimensions	Ø126.1 × 114.0mm (Ø4.96" × 4.49")
Product Weight	HC25DExR2: 0.81 kg (1.79 lb) HC25WExR2: 0.83 kg (1.83 lb)
Package Weight	HC25DExR2: 1.02 kg (2.25 lb) HC25WExR2: 1.03 kg (2.27 lb)
Body Material	Metal + Plastic
Color	White(RAL9003)+Black
ENVIRONMENTAL	
Operating Temperature	HC25DExR2: -25°C ~ 55°C (-13°F ~ 131°F) HC25WExR2: -30°C ~ 60°C (-22°F ~ 140°F)
Relative Humidity	Less than 90 %, non-condensing
Ingress Protection	IP66
Impact Resistance	IK10 Housing
REGULATORY	
Emissions	FCC Part15B, ICES-003, CE EN55032, Complies with UKCA and RCM
Immunity	CE(EN 50130-4, EN 55035), Complies with RCM and UKCA
Safety	CE(EN 62368-1), Complies with UKCA and RCM
RoHS	CE(EN 63000),UAE(Cabinet Decree No.10 of 2017)
Warranty	3 year

*Some development may be required in specific user cases to support some of these protocols in the field as they mature over time.

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DIMENSIONS



SYSTEM COMPATIBILITY & RECOMMENDED ACCESSORIES

SYSTEM COMPATIBILITY	
MAXPRO NVR HE	Up to 256 IP channels RAID5/6 enterprise NVR
MAXPRO NVR PE	Up to 192 IP channels RAID5/6 enterprise NVR
MAXPRO NVR SE	Up to 96 IP channels system NVR
MAXPRO NVR XE	Up to 24 IP channels system NVR
MAXPRO NVR Software	Up to 256 IP channels recording software
Milestone	Honeywell – Milestone Plug in
10 Series NVR	4/8/16-channel 10 series NVRs
25 Series NVR	4/8/16/64-channel 25 series NVRs
35 Series NVR	4/8/16/32/64-channel 35 series NVRs

OPTIONAL MOUNTS AND ACCESSORIES*	
HA35PMC02	35S MFZ camera cap, 1.5NPT male
HA35CLM01	35S ceiling mount base with adapter
HA35CLM02	35S ceiling mount pendent extension, 252mm
HA35JCBWML	35S wall mount bracket
HA35JCBHA1	35S all-in-one box, white
HA35PLM01	35S pole mount bracket
HA35CNM01	35S corner mount bracket

*Mounting accessories are not included with camera and must be ordered separately. Please refer to the cross reference matrix or accessories datasheet for detailed information.

ORDERING

ORDERING	
HC25DE2R2	25S 2MP IR MFZ Eyeball, 2.7-13.5 mm, PoE
HC25DE4R2	25S 4MP IR MFZ Eyeball, 2.7-13.5 mm, PoE

ORDERING	
HC25WE5R2	25S WDR 5 MP IR MFZ Eyeball, 2.7-13.5mm, PoE
HC25WE8R2	25S WDR 8 MP IR MFZ Eyeball, 2.7-13.5mm, PoE

For More Information

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