

25 SERIES HC25C4xR1



2 / 4 / 5 / 8 MP – IR Fixed Dome, Dual Light Color Cameras

3 YEAR
WARRANTY



OPERATIONAL	
RAM	HC25C42R1/HC25C44R1: 1 Gigabit HC25C45R1/HC25C48R1: 2 Gigabits
Flash	2 Gigabits
Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	HC25C42R1/HC25C44R1: 1/3" HC25C45R1/HC25C48R1: 1/2.7"
Sensor Size (H x V)	HC25C42R1: 5.184 mm x 2.196 mm HC25C44R1: 5.120 mm x 2.880 mm HC25C45R1/HC25C48R1: 5.76 mm x 3.24 mm
Number of Pixels (H x V)	HC25C42R1: 1920 x 1080 HC25C44R1: 2560 x 1440 HC25C45R1: 2880 x 1620 HC25C48R1: 3840 x 2160
Minimum Illumination (Color/BW)	HC25C42R1: Color: 0.0045 Lux@30IRE, F1.6 BW: 0 Lux (IR LED ON) HC25C44R1: Color: 0.007 Lux@30IRE, F1.6 BW: 0 Lux (IR LED ON) HC25C45R1: Color: 0.009 Lux@30IRE, F1.6 BW: 0 Lux (IR LED ON) HC25C48R1: 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	HC25C42R1/HC25C44R1: IR up to 30 m (98.4 ft), Warm Light up to 15 m (49.2 ft) HC25C45R1/HC25C48R1: IR up to 20 m (65.6 ft), Warm Light up to 10 m (32.8 ft)
IR Light Control	Smart/Manual/Intelligent/OFF
IR Light Number	HC25C42R1: 4 HC25C44R1: 2 HC25C45R1/HC25C48R1: 2
Day/Night	Auto / Day Mode / Night Mode / Timing
Backlight Compensation	HC25C42R1/HC25C44R1: WDR, BLC, HLC, LDC HC25C45R1/HC25C48R1: WDR, BLC, HLC
White Balance	Auto / Tungsten / Fluorescent / Daylight / Shadow / Manual
Gain Control	0 ~ 100%
Wide Dynamic Range	HC25C42R1: 80 dB HC25C44R1: 90 dB HC25C45R1/HC25C48R1: 120 dB
Noise Reduction	2D / 3D DNR
Lens	2.8 mm, F1.6
Angle of View (H x V)	HC25C42R1/HC25C44R1: H: 96°, V: 53° HC25C45R1/HC25C48R1: H: 110°, V: 59.6°
Privacy Masking	Off/On (4 Areas)
Defog	Supported
Local Storage	Micro SD (up to 1 TB)
Alarm Inputs / Outputs	HC25C45R1/HC25C48R1: 1 In / 1 Out
Pan Range	0° ~ 330° (-75° ~ 255°)
Tilt Range	0° ~ 75°
Rotation Range	0° ~ 337° (-65° ~ 272°)

VIDEO	
Video Compression	H.265 HEVC/H.264/MJPEG, Smart Codec
Resolution	HC25C42R1: Stream 1 1920 × 1080, 1280 × 720 Stream 2 704 × 576 (PAL)/704 × 480 (NTSC), 640 × 360, 480 × 360, 352 × 288 (PAL)/352 × 240 (NTSC) HC25C44R1: Stream 1 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 Stream 2 704 × 576 (PAL)/704 × 480 (NTSC), 640 × 360, 480 × 360, 352 × 288 (PAL)/352 × 240 (NTSC) HC25C45R1: Stream 1 2880 × 1620/2592 × 1520/1920 × 1080/1280 × 720 Stream 2 704 × 576 (PAL)/704 × 480 (NTSC)/640 × 480/352 × 288 (PAL)/352 × 240 (NTSC) Stream 3 640 × 480/352 × 288 (PAL)/352 × 240 (NTSC)/320 × 240 HC25C48R1: Stream 1 3840 × 2160, 2880 × 1620, 2592 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 Stream 2 704 × 576 (PAL) / 704 × 480 (NTSC) / 640 × 480 / 352 × 288 (PAL) / 352 × 240 (NTSC) Stream 3 640 × 480/352 × 288 (PAL) / 352 × 240 (NTSC) / 320 × 240
Number of Video Streams	HC25C42R1/HC25C44R1: 2 HC25C45R1/HC25C48R1: 3
Frame Rate Main Stream	HC25C42R1/HC25C44R1/HC25C45R1: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25C48R1: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps
Frame Rate Second Stream	HC25C42R1/HC25C44R1/HC25C45R1: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25C48R1: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps
Frame Rate Third Stream	HC25C45R1: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25C48R1: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps

Honeywell

25 SERIES 2 / 4 / 5 / 8 MP - IR FIXED DOME, DUAL LIGHT COLOR CAMERAS

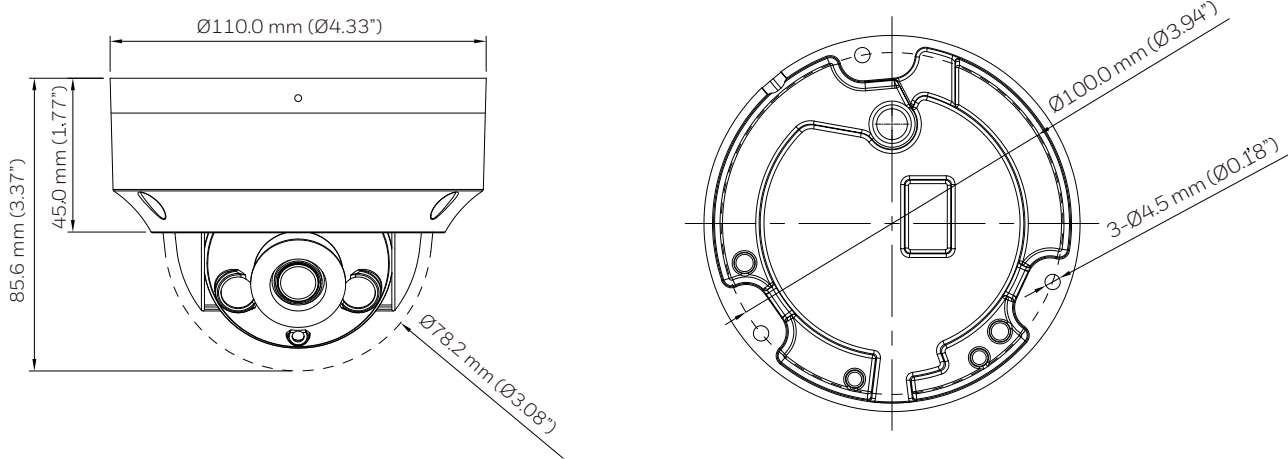
Bit Rate	HC25C42R1: H.264/H.265 1920 × 1080, 1280 × 720 @25/30fps 500-4096kbps 704 × 576(PAL)/704 × 480 (NTSC) @25/30fps 128-4096kbps 640 × 360, 480 × 360, 352 × 288(PAL)/352 × 240 (NTSC) @25/30fps 128-1500kbps MJPEG 1920 × 1080, 1280 × 720 @12fps 500-4096kbps 704 × 576 (PAL)/704 × 480 (NTSC) @12fps 128-4096kbps 640 × 360, 480 × 360, 352 × 288 (PAL)/352 × 240 (NTSC) @12fps 128-1500kbps HC25C44R1: H.264/H.265 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 @25/30fps 500-4096kbps 704 × 576 (PAL)/704 × 480 (NTSC) @25/30fps 100-4096kbps 640 × 360, 480 × 360, 352 × 288 (PAL)/352 × 240 (NTSC) @25/30fps 100-1500kbps MJPEG 1920 × 1080, 1280 × 720 @12fps 500-4096kbps 704 × 576 (PAL)/704 × 480 (NTSC) @12fps 100-4096kbps 640 × 360, 480 × 360, 352 × 288(PAL)/352 × 240 (NTSC) @12fps 100-1500kbps HC25C45R1: 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 HC25C48R1: 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	HC25C42R1/HC25C44R1: 1-way, audio input HC25C45R1: 2-Way, full duplex HC25C48R1: 2-Way, full duplex
Audio Interface	HC25C42R1/HC25C44R1: Built-in Mic HC25C45R1/HC25C48R1: 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	HC25C42R1/HC25C44R1: Motion detection, Smart motion, Scene Change, Intrusion, Line Crossing HC25C45R1/HC25C48R1: Motion detection, Smart motion, Scene Change, Intrusion, Multi loitering, People counter, Line crossing Detection, Face Detection, Unattended Object, MissingObject, Multi-Object Detection
Event Type	HC25C42R1/HC25C44R1: Analytics alarm, Security alarm, Disk alarm, Recording alarm, Audio Detection, Illegal Access Alarm HC25C45R1/HC25C48R1: Analytics alarm, Security alarm, SD Card Alarm, Recording alarm, Alarm input, Audio Detection, Illegal Access Alarm
Event Linkage	HC25C42R1/HC25C44R1: SMTP, Alarm record, FTP Uploading HC25C45R1/HC25C48R1: 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)	HC25C42R1: Max.4.5 W HC25C44R1: Max.5.5 W HC25C45R1: Max.5.3 W HC25C48R1: Max.6 W
MECHANICAL	
Dimensions	Ø110.0 × 85.6 mm (Ø4.33" × 3.37")
Product Weight	0.45 kg (0.992 lb)
Package Weight	HC25C42R1/HC25C44R1: 0.56 kg (1.23 lb) HC25C45R1: 0.59 kg (1.3 lb) HC25C48R1: 0.58 kg (1.28 lb)
Body Material	Metal + Plastic
Color	White (RAL9003)
ENVIRONMENTAL	
Operating Temperature	HC25C42R1/HC25C44R1: -25°C ~ 55°C (-13°F ~ 131°F) HC25C45R1/HC25C48R1: -30°C ~ 60°C (-22°F ~ 140°F)
Relative Humidity	Less than 90 %, non-condensing
Ingress Protection	IP66
Impact Resistance	IK10
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), RCM(AS/NZS 62368.1), Complies with UKCA
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.

25 SERIES 2 / 4 / 5 / 8 MP - IR FIXED DOME, DUAL LIGHT COLOR CAMERAS

DIMENSIONS



SYSTEM COMPATIBILITY & RECOMMENDED ACCESSORIES

SYSTEM COMPATIBILITY		OPTIONAL MOUNTS AND ACCESSORIES*	
MAXPRO NVR HE	Up to 256 IP channels RAID5/6 enterprise NVR	HA35PMC03	35S fixed camera cap, 1.5NPT male
MAXPRO NVR PE	Up to 192 IP channels RAID5/6 enterprise NVR	HA35CLM01	35S ceiling mount base with adapter
MAXPRO NVR SE	Up to 96 IP channels system NVR	HA35CLM02	35S ceiling mount pendent extension, 252mm
MAXPRO NVR XE	Up to 24 IP channels system NVR	HA35JCBWML	35S wall mount bracket
MAXPRO NVR Software	Up to 256 IP channels recording software	HA35JCBHDF	35S fixed dome junction box
Milestone	Honeywell – Milestone Plug in	HA35PLM01	35S pole mount bracket
10 Series NVR	4/8/16-channel 10 series NVRs	HA35CNM01	35S corner mount bracket
25 Series NVR	4/8/16/64-channel 25 series NVRs		
35 Series NVR	4/8/16/32/64-channel 35 series NVRs		

*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		ORDERING	
HC25C42R1	25S 2MP IR Fixed Dome, 2.8mm, Dual light color, PoE	HC25C45R1	25S WDR 5 MP IR Fixed Dome, 2.8mm, Dual light color, PoE
HC25C44R1	25S 4MP IR Fixed Dome, 2.8mm, Dual light color, PoE	HC25C48R1	25S WDR 8 MP IR Fixed Dome, 2.8mm, Dual light color, PoE

For More Information

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