

25 SERIES

HC25DBxRx

HC25WBxRx

2 / 4 / 5 / 8 MP – IR Fixed / MFZ Bullet Cameras

OPERATIONAL	
RAM	HC25DBxRx: 1 Gigabit HC25WBxRx: 2 Gigabits
Flash	2 Gigabits
Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	HC25DB2R1/HC25DB2R2/HC25DB4R1/HC25DB4R2: 1/3" HC25WB5R1/HC25WB5R2/HC25WB8R1/HC25WB8R2: 1/2.7"
Sensor Size (H x V)	HC25DB2R1/HC25DB2R2: 5.184 mm x 2.196 mm HC25DB4R1/HC25DB4R2: 5.120 mm x 2.880 mm HC25WBxRx: 5.76 mm x 3.24 mm
Number of Pixels (H x V)	HC25DB2R1/HC25DB2R2: 1920 x 1080 HC25DB4R1/HC25DB4R2: 2560x1440 HC25WB5R1/HC25WB5R2: 2880 x 1620 HC25WB8R1/HC25WB8R2: 3840 x 2160
Minimum Illumination (Color/BW)	HC25DB2R1: Color: 0.005 Lux@30IRE, F2.0 BW: 0 Lux (IR LED ON) HC25DB2R2: Color: 0.0045 Lux@30IRE, F1.6 BW: 0 Lux (IR LED ON) HC25DB4R1: Color: 0.008 Lux@30IRE, F2.0 BW: 0 Lux (IR LED ON) HC25DB4R2: Color: 0.007 Lux@30IRE, F1.6 BW: 0 Lux (IR LED ON) HC25WB5R1: Color: 0.01 Lux@30IRE, F2.0 BW: 0 Lux (IR LED ON) HC25WB5R2: Color: 0.009 Lux@30IRE, F1.6 BW: 0 Lux (IR LED ON) HC25WB8R1: Color: 0.02 Lux@30IRE, F2.0 BW: 0 Lux (IR LED ON) HC25WB8R2: 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	HC25DB2R1/HC25DB4R1/HC25WB5R1/HC25WB8R1: IR up to 30 m (98.4 ft) HC25DB2R2/HC25DB4R2/HC25WB5R2/HC25WB8R2: IR up to 40 m (131.2 ft)
IR Light Control	Smart/Manual/OFF
IR Light Number	4
Day/Night	Auto / Day Mode / Night Mode / Timing
Backlight Compensation	HC25DBxRx: WDR, BLC, HLC, LDC HC25WBxRx: WDR, BLC, HLC
White Balance	Auto / Tungsten / Fluorescent / Daylight / Shadow / Manual
Gain Control	0 ~ 100%
Wide Dynamic Range	HC25DB2R1/HC25DB2R2: 80 dB HC25DB4R1/HC25DB4R2: 90 dB HC25WBxRx: 120 dB
Noise Reduction	2D / 3D DNR
Lens	HC25DB2R1/HC25DB4R1/HC25WB5R1/ HC25WB8R1: 2.8 mm, F2.0 HC25DB2R2/HC25DB4R2/HC25WB5R2/ HC25WB8R2: 2.7-13.5 mm, F1.6, MFZ
Angle of View (H x V)	HC25DB2R1/HC25DB4R1: H: 95°, V: 52.8° HC25DB2R2/HC25DB4R2: H: 90.4°(Wide) ~ 29°(Tele), V: 48.1°(Wide) ~ 16.3°(Tele) HC25WB5R1/HC25WB8R1: H: 108°, V: 60° HC25WB5R2/HC25WB8R2: 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)



Fixed Bullet



MFZ Bullet

3 YEAR
WARRANTY



Alarm Inputs / Outputs	HC25WBxRx: 1In / 1 Out
Pan Range	0° ~ 360°
Tilt Range	0° ~ 90°
Rotation Range	0° ~ 360°
VIDEO	
Video Compression	H.265 HEVC/H.264/MJPEG, Smart Codec
Resolution	HC25DB2R1/HC25DB2R2: 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) HC25DB4R1/HC25DB4R2: 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) HC25WB5R1/HC25WB5R2: 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 HC25WB8R1/HC25WB8R2: 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	HC25DBxRx: 2 HC25WBxRx: 3
Frame Rate Main Stream	HC25DBxRx/HC25WB5R1/HC25WB5R2: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25WB8R1/HC25WB8R2: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps
Frame Rate Second Stream	HC25DBxRx/HC25WB5R1/HC25WB5R2: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25WB8R1/HC25WB8R2: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps
Frame Rate Third Stream	HC25WB5R1/HC25WB5R2: H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max 12fps HC25WB8R1/HC25WB8R2: H.264/H.265: MAX 25fps (WDR on 20fps) MJPEG: Max 12fps

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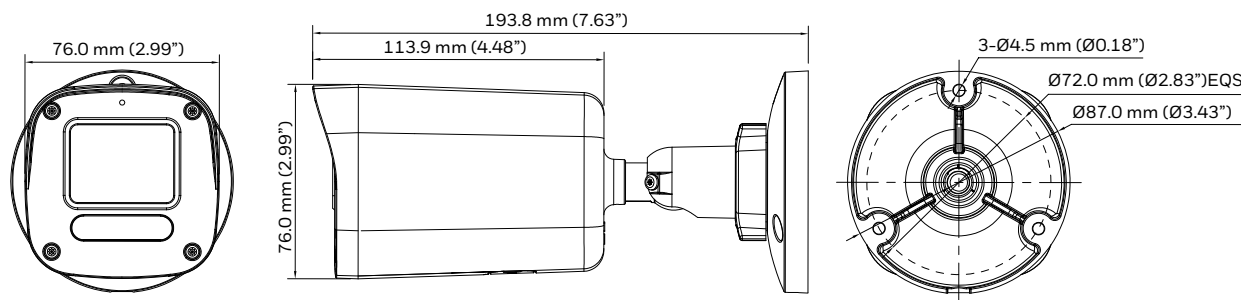
	HC25DB2R1/HC25DB2R2: H.264/H.265 1920 × 1080, 1280 × 720 @25/30fps 500-4096kbps 704 × 576(PAL)/704 × 480(NTSC) @25/30fps 128-4096kbps 640 × 360, 480 × 360, 352 × 288(PAL)/352 × 240(NTSC) @25/30fps 128-1500kbps MJPEG 1920 × 1080, 1280 × 720 @12fps 500-4096kbps 704 × 576(PAL)/704 × 480(NTSC) @12fps 128-4096kbps 640 × 360, 480 × 360, 352 × 288(PAL)/352 × 240(NTSC) @12fps 128-1500kbps HC25DB4R1/HC25DB4R2: 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 HC25WB5R1/HC25WB5R2: 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 HC25WB8R1/HC25WB8R2: 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
Bit Rate	
AUDIO	
Audio Compression	G711ALAW, G711ULAW, RAWPCM
Audio Stream	HC25DBxRx: 1-way, audio input HC25WBxRx: 2-way, full duplex
Audio Interface	HC25DBxRx: Built-in Mic HC25WBxRx: 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	HC25DBxRx: Motion detection, Smart motion, Scene change, Intrusion, Line crossing HC25WBxRx: Motion detection, Smart motion, Scene Change, Intrusion, Multi loitering, People counter, Line crossing Detection, Face Detection, Unattended Object, MissingObject, Multi-Object Detection
Event Type	HC25DBxRx: Analytics alarm, Security alarm, SD Card Alarm, Recording alarm, Audio Detection, Illegal Access Alarm HC25WBxRx: Analytics alarm, Security alarm, SD Card Alarm, Recording alarm, Alarm input, Audio Detection, Illegal Access Alarm
Event Linkage	HC25DBxRx: SMTP, Alarm record, FTP Uploading HC25WBxRx: 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)	HC25DB2R1: Max.6.5 W HC25DB2R2: Max.6.4 W HC25DB4R1: Max.6.7 W HC25DB4R2: Max.6.6 W HC25WB5R1/HC25WB5R2: Max. 5.6 W HC25WB8R1: Max.5.8 W HC25WB8R2: Max.6.5 W
MECHANICAL	
Dimensions	193.8 × Ø87.0 × Ø87.0 mm (7.63 × Ø3.43 × Ø3.43 inch)
Product Weight	HC25DB2R1: 0.52 kg (1.15 lb) HC25DB2R2/HC25WB8R1: 0.54 kg (1.19 lb) HC25DB4R1: 0.57 kg (1.26 lb) HC25DB4R2: 0.49 kg (1.08 lb) HC25WB5R1: 0.58kg (1.28 lb) HC25WB5R2/HC25WB8R2: 0.56kg (1.23 lb)
Package Weight	HC25DB2R1: 0.66 kg (1.46 lb) HC25DB2R2/HC25DB4R2: 0.69 kg (1.52 lb) HC25DB4R1: 0.65 kg (1.43 lb) HC25WB5R1: 0.71kg (1.57 lb) HC25WB5R2/HC25WB8R2: 0.70kg (1.54 lb) HC25WB8R1: 0.68kg (1.5 lb)
Body Material	Metal
Color	White (RAL9003)+Black
ENVIRONMENTAL	
Operating Temperature	HC25DBxRx: -25°C ~ 55°C (-13°F ~ 131°F) HC25WBxRx: -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		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	HA35JCBHBA	35S bullet junction box
MAXPRO NVR Software	Up to 256 IP channels recording software	HA35PLM01	35S pole mount bracket
Milestone	Honeywell – Milestone Plug in	HA35CNM01	35S corner mount bracket
10 Series NVR	4/8/16-channel 10 series NVRs	* Mounting accessories, unless otherwise noted, are not included with camera and must be ordered separately. Please refer to the cross reference matrix or accessories datasheet for detailed information.	
25 Series NVR	4/8/16/64-channel 25 series NVRs		
35 Series NVR	4/8/16/32/64-channel 35 series NVRs		

ORDERING

ORDERING		ORDERING	
HC25DB2R1	25S 2MP IR Fixed Bullet, 2.8 mm, PoE	HC25WB5R1	25S WDR 5 MP IR Fixed Bullet, 2.8 mm, PoE
HC25DB2R2	25S 2MP IR MFZ Bullet, 2.7-13.5 mm, PoE	HC25WB5R2	25S WDR 5 MP IR MFZ Bullet, 2.7-13.5 mm, PoE
HC25DB4R1	25S 4MP IR Fixed Bullet, 2.8 mm, PoE	HC25WB8R1	25S WDR 8 MP IR Fixed Bullet, 2.8 mm, PoE
HC25DB4R2	25S 4MP IR MFZ Bullet, 2.7-13.5 mm, PoE	HC25WB8R2	25S WDR 8 MP IR MFZ Bullet, 2.7-13.5 mm, PoE

For More Information

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