35 SERIES
HC35W43R2
HC35W45R2
HC35W48R2

3MP/5MP/8MP IP WDR IR Rugged Mini Dome Camera

SECURE BY DEFAULT | ONVIF® | SGT | 5 YEAR WARRANTY

OPERATIONAL

Video Standard	NTSC / PAL
Scanning System	Progressive
Image Sensor	**HC35W43R2**: 1/2.7" CMOS **HC35W45R2/HC35W48R2**: 1/2.8" CMOS
Sensor Size (H x V)	**HC35W43R2**: 4.608 mm x 2.592 mm **HC35W45R2**: 5.184 mm x 3.888 mm **HC35W48R2**: 5.568 mm x 3.132 mm
Number Of Pixels (H x V)	**HC35W43R2**: 2304 x 1296 **HC35W45R2**: 2592 x 1944 **HC35W48R2**: 3840 x 2160
Minimum Illumination (Color/BW)	**HC35W43R2 / HC35W45R2**: 0.005 Lux / F1.6 (Color, 30 IRE), 0 Lux / F1.6 (IR ON) **HC35W48R2**: 0.007 Lux / F1.6 (Color, 30 IRE), 0 Lux / F1.6 (IR ON)
S/N Ratio	50 dB
Electronic Shutter Speed	1/8 ~ 1/32,000
IR Distance	up to 50 m
IR Light Control	Smart IR (Auto / Manual) / OFF
IR Light Number	4
Day/Night	Auto (ICR) / Color / BW
Backlight Compensation	WDR, BLC, HLC
White Balance	Auto/Tungsten/ Fluorescent/ Daylight/Shadow/Manual
Gain Control	0-100%
Wide Dynamic Range	120 dB
Noise Reduction	2D / 3D DNR
Lens	2.7-13.5 mm, DC-Iris,F1.6-F3.3, MFZ
Angle Of View	**HC35W43R2**: H: H:88°-24°, V:48°-14° **HC35W45R2**: H:96°-26°, V:69°-20° **HC35W48R2**: H:105°-32°, V:55°-18°
Privacy Masking	Off / On (4 Areas)
Defog	**HC35W43R2**: Not supported **HC35W45R2/HC35W48R2**: Supported
Local Storage	Micro SD (up to 256 GB)
Alarm Inputs/ Outputs	**HC35W43R2**: Not supported **HC35W45R2/HC35W48R2**: 1 In / 1 Out
Pan Range	0°-355°
Tilt Range	0°-75°
Rotation Range	0°-354°

*For detailed information about frame rate and bit rate, please refer to the User Guide.

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

VIDEO

Video Compression	H.265 HEVC/H.264/MJPEG, Smart Codec	
Resolution	HC35W43R2	1st: 2304 x 1296 / 1920 x 1080 / 1280 x 720 2nd: 704 x 576 (PAL) / 704 x 480 (NTSC) / 640 x 480 / 352 x 288 (PAL) / 352 x 240 (NTSC) 3rd: 640 x 480 / 352 x 288 (PAL) / 352 x 240 (NTSC) / 320 x 240
	HC35W45R2	1st: 2592 x 1944 / 2592 x 1520 / 1920 x 1080 / 1280 x 720 2nd: 704 x 576 (PAL) / 704 x 480 (NTSC) / 640 x 480 / 352 x 288 (PAL) / 352 x 240 (NTSC) 3rd: 1920 x 1080 (MAX 12 fps) / 640 x 480 / 352 x 288 (PAL) / 352 x 240 (NTSC) / 320 x 240
	HC35W48R2	1st: 3840 x 2160 / 2592 x 1944 / 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920 x 1080 / 1280 x 720 2nd: 704 x 576 (PAL) / 704 x 480 (NTSC) / 640 x 480 / 352 x 288 (PAL) / 352 x 240 (NTSC) 3rd: 640 x 480 / 352 x 288 (PAL) / 352 x 240 (NTSC) / 320 x 240
Number of Video Streams	3 (2 for encryption)	
Frame Rate*	MAX 30 fps	
Bit Rate*	**HC35W43R2**: 100K ~ 6 Mbps **HC35W45R2**: 100K~12 Mbps **HC35W48R2**: 100k~16 Mbps	

AUDIO

Audio Compression	**HC35W43R2**: Not supported **HC35W45R2/HC35W48R2**: G.711A / G.711U
Audio Stream	**HC35W43R2**: Not supported **HC35W45R2/HC35W48R2**: 2-Way, Full duplex
Audio Interface	**HC35W43R2**: Not supported **HC35W45R2/HC35W48R2**: Line In/Out

NETWORK

Ethernet	10 Base-T/100 Base-TX Ethernet (RJ-45)
Supported Web Browsers	Chrome / Edge
Supported OS	Microsoft Windows 10
Protocols**	IPv4, IPv6, TCP / IP, HTTP, HTTPS, RTSP / RTP / RTCP, IGMP / Multicast, SMTP, DHCP, NTP, DNS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS
Interoperability	ONVIF Profile G/S/T
Maximum Users Access	10 Users
Security	User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2 only, Stream encryption, AES128 / 256, SSH / Telnet closed, PCI-DSS compliance
Languages Supported	Arabic, Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Spanish, Turkish

Honeywell

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EVENTS / ANALYTICS	
Built-in Video Analytics	**HC35W43R2**: Motion Detection, Tampering **HC35W45R2/HC35W48R2**: People Counter, Multi Loitering, Intrusion, Tampering, Smart Motion Detection (SMD), Motion Detection
Event Type	**HC35W43R2**: Video motion detection,Recording notification **HC35W45R2/HC35W48R2**: Video motion detection, Alarm input, Recording notification, Tampering
Event Linkage	**HC35W43R2**: Event notification using Email and MicroSD card **HC35W45R2/HC35W48R2**: Event notification using digital output, Email and MicroSD card
Region Of Interest	8

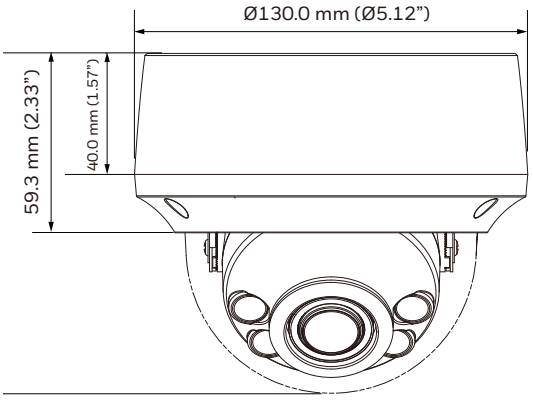
ELECTRICAL	
Power Supply	DC12V, PoE (IEEE 802.3af) (Class 0)
Power Consumption (Max)	**HC35W43R2**: MAX 5.5 W **HC35W45R2**: MAX 6 W **HC35W48R2**: MAX 6.7W

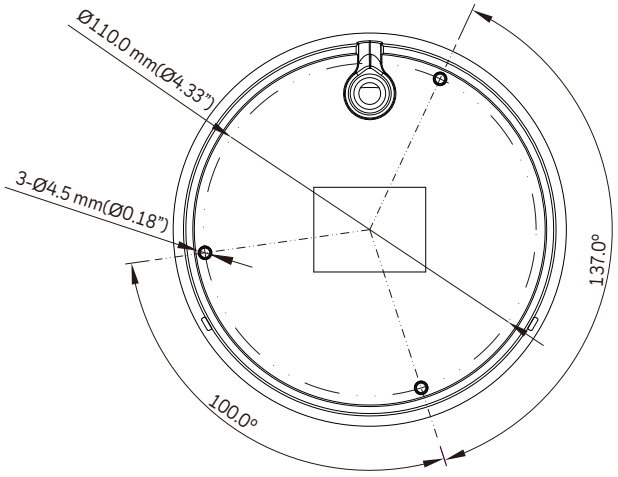
MECHANICAL	
Dimensions	Ø130.0 mm × 112.3 mm (Ø5.12" × 4.42")
Dome Diameter	Ø96.0 mm (3.78")
Product Weight	0.86 kg (1.90 lb)
Package Weight	1.05 kg (2.31 lb)
Body Material	Die-cast aluminium housing
Color	Camera Body: RAL 9003 (Signal White) Front/Lens Facings: Pantone Black

ENVIRONMENTAL	
Operating Temperature	Starting Temperature: -40°C ~ 60°C (-40°F ~ 140°F) Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
Relative Humidity	Less than 90 %, non-condensing
Ingress Protection	IP66/IP67
Impact Resistance	IK10

REGULATORY	
Emissions	FCC PART 15, CE (EN 55032), Complies with RCM and UKCA
Immunity	CE(EN 50130-4), Complies with RCM and UKCA
Safety	UL LISTED TO UL/CSA 62368-1, CE(EN 62368-1), Complies with RCM and UKCA
RoHs	CE(EN 63000), UAE(Cabinet Decree No.10 of 2017)
Country of Origin	China

DIMENSIONS





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RECOMMENDED ACCESSORIES AND ORDERING

SYSTEM INTEGRATION*

Pro-Watch NVR	Up to 256 IP channels RAID5 / 6 Enterprise NVR
MAXPRO NVR PE	Up to 128 IP channels RAID5 / 6 Enterprise NVR
MAXPRO NVR SE	Up to 64 IP channels System NVR
MAXPRO NVR XE	Up to 16 IP channels System NVR
MAXPRO NVR SOFTWARE	Up to 128 IP channels Recording Software
ADPRO NVR FASTTRACE 2E	Up to 32 IP channels with up to 32 VA channels NVRs
ADPRO NVR iFT-E	Up to 32 IP channels with up to 32 VA channels NVRs
ADPRO NVR iFT	Up to 32 IP channels or 16 IP channels with up to 16 VA channels NVRs
ADPRO NVR iFT GATEWAY	4 IP channels + 4 VA channels
Honeywell DVM	Support with Honeywell DVM R710.1 (and later maintenance releases)
30 Series NVR	Integration with 30 Series NVR
35 Series NVR**	Integration with 35 Series NVR

*Refer to the NVR integration matrix for more information.
**35 Series NVR will be released in June 2022.

OPTIONAL MOUNTS AND ACCESSORIES

HA35PMC02	35S MFZ camera cap, 1.5NPT male
HA60JCBH1	60S junction box
HA35CLM01	35S ceiling mount base with adapter
HA35CLM02	35S ceiling mount extension, 252mm
HA60WLMB1	60S wall mount bracket, 1.5NPT female
HA60PLMZ	60S pole mount adapter
HA60CNMZ	60S corner mount adapter
HA354SC01	35S 4S box cover

ORDERING

HC35W43R2	3 MP IR MFZ Dome Camera, WDR 120dB, 2.7-13.5 mm, POE, DC12V, IK10
HC35W45R2	5 MP IR MFZ Dome Camera, WDR 120dB, 2.7-13.5 mm, POE, DC12V, Audio & Alarm In/Out, IK10
HC35W48R2	8 MP IR MFZ Dome Camera, WDR 120dB, 2.7-13.5 mm, POE, DC12V, Audio & Alarm In/Out, IK10

For More Information
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