

35 SERIES

HC35WE3R3

HC35WE5R3

HC35WE8R3

WDR 3/5/8 MP IR Fixed Ball Camera



OPERATIONAL	
Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	HC35WE3R3: 1/2.7" CMOS HC35WE5R3: 1/2.8" CMOS HC35WE8R3: 1/2.8" CMOS
Sensor Size (H x V)	HC35WE3R3: 5.768mm x 3.248mm HC35WE5R3: 5.184mm x 3.888mm HC35WE8R3: 5.568mm x 3.132mm
Number Of Pixels(H x V)	HC35WE3R3: 2304 x 1296 px HC35WE5R3: 2592 x 1944 px HC35WE8R3: 3840 x 2160 px
Minimum Illumination (Color/BW)	HC35WE3R3: 0.005 Lux / F1.6 (Color,30IRE), 0 Lux / F1.6 (IR ON) HC35WE5R3: 0.007 Lux / F2.0 (Color,30IRE), 0 Lux / F2.0 (IR ON) HC35WE8R3: 0.009Lux / F2.0(color,30IRE), 0 Lux / F2.0(IR ON)
S/N Ratio	50 dB
Electronic Shutter Speed	1/8 ~ 1/32,000
IR Distance	40M
IR Light Control	Smart IR (Auto/Manual)/OFF
IR Light Number	3
Day/Night	Auto (ICR) / Color / BW
Backlight Compensation	WDR, BLC, HLC
White Balance	Auto/Fixed Current/Manual
Gain Control	0-100%
Wide Dynamic Range	120 dB
Noise Reduction	3D DNR
Lens	HC35WE3R3: 2.8mm Fixed Iris F1.6 HC35WE5R3: 2.8mm, Fixed, F2.0 HC35WE8R3: 2.8mm, Fixed Iris, F2.0
Angle Of View (H x V x D)	HC35WE3R3: H:84.27°V:45.8° HC35WE5R3: H:89.8°V:66.3° HC35WE8R3: H:97.35°V:52.67°
Privacy Masking	Off / On (4 Areas)
Defog	HC35WE3R3: Not Support HC35WE5R3: Support HC35WE8R3: Support
Local Storage	Micro SD (up to 256 GB)
Alarm Inputs/Outputs	HC35WE3R3: No Support HC35WE5R3: 1In / 1 Out HC35WE8R3: 1In / 1 Out
Pan Range	0-360
Tilt Range	0-80
Rotation Range	0-360

VIDEO	
Video Analytics	HC35WE3R3: Not Support HC35WE5R3/HC35WE8R3: People counting, Loitering, Tripwire, SMD
Video Compression	H.265 HEVC/H.264/MJPEG, Smart Codec
Resolution	HC35WE3R3 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
	HC35WE5R3 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 / 640 x 480 / 352 x 288(PAL) / 352 x 240(NTSC) / 320 x 240
	HC35WE8R3 1st: 3840 x 2160 / 2592 x 1944 / 2592 x 1520 / 2560 x 1440 / 2304 x 1296 / 1920x1080 / 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	Main/Second Stream: MAX 30fps (MAX 15fps for encryption under HTTPS) Third Stream: MAX 30fps (Not available for encryption)
Bit Rate	HC35WE3R3: 100K ~ 6Mbps (15K~2Mbps for encryption) HC35WE5R3: 100K~12Mbps (15K~2Mbps for encryption) HC35WE8R3: 100K~16Mbps (15K~3Mbps for encryption)
AUDIO	
Audio Compression	HC35WE3R3: Not Support HC35WE5R3/HC35WE8R3: G.711
Audio Stream	HC35WE3R3: Not Support HC35WE5R3/HC35WE8R3: 2-Way, Full duplex
Audio Interface	HC35WE3R3: Not Support HC35WE5R3/HC35WE8R3: Line In/Out
NETWORK	
Ethernet	10 Base-T/100 Base-TX Ethernet (RJ-45)
Supported Web Browsers	Chrome
Supported OS	Microsoft Windows 10
Protocols*	IPv4, IPv6, TCP / IP, HTTP, HTTPS, UPnP, RTSP / RTP / RTCP, IGMP / Multicast, SMTP, DHCP, NTP, DNS, DDNS, 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
Languages Supported	Arabic, Chinese (Simplified), Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Spanish, Turkish

* 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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EVENTS	
Event Type	HC35WE3R3: Video motion detection, Recording notification HC35WE5R3/HC35WE8R3: Video motion detection, Alarm input, Recording notification, Tampering
Event Linkage	HC35WE3R3: Event notification using Email and MicroSD card HC35WE5R3/HC35WE8R3: Event notification using digital output, Email and MicroSD card
Region Of Interest	8
ELECTRICAL	
Power Supply	HC35WE3R3: DC12 V, 1A; or PoE 44-57 V , Max 5.5W HC35WE5R3: DC12 V, 1A; or PoE 44-57 V , Max 5.13W HC35WE8R3: DC12 V, 1A; or PoE 44-57 V , Max 6.4W
Power Consumption (Max)	HC35WE3R3: Max 5.5W HC35WE5R3: Max 5.13 W HC35WE8R3: Max 6.4W
MECHANICAL	
Dimensions (D x D x H)	Ø110.0 mm x 94.4 mm (Ø4.33" x 3.72")
Product Weight	0.60kg (1.32lb)
Package Weight	0.72kg (1.59lb)
Body Material	Aluminum and Plastic
Color	Honeywell White, 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
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	Vietnam

RECOMMENDED ACCESSORIES

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	Supported with Honeywell DVM R700 , DVM R620
30 Series NVR	Integration with 30 Series NVRH

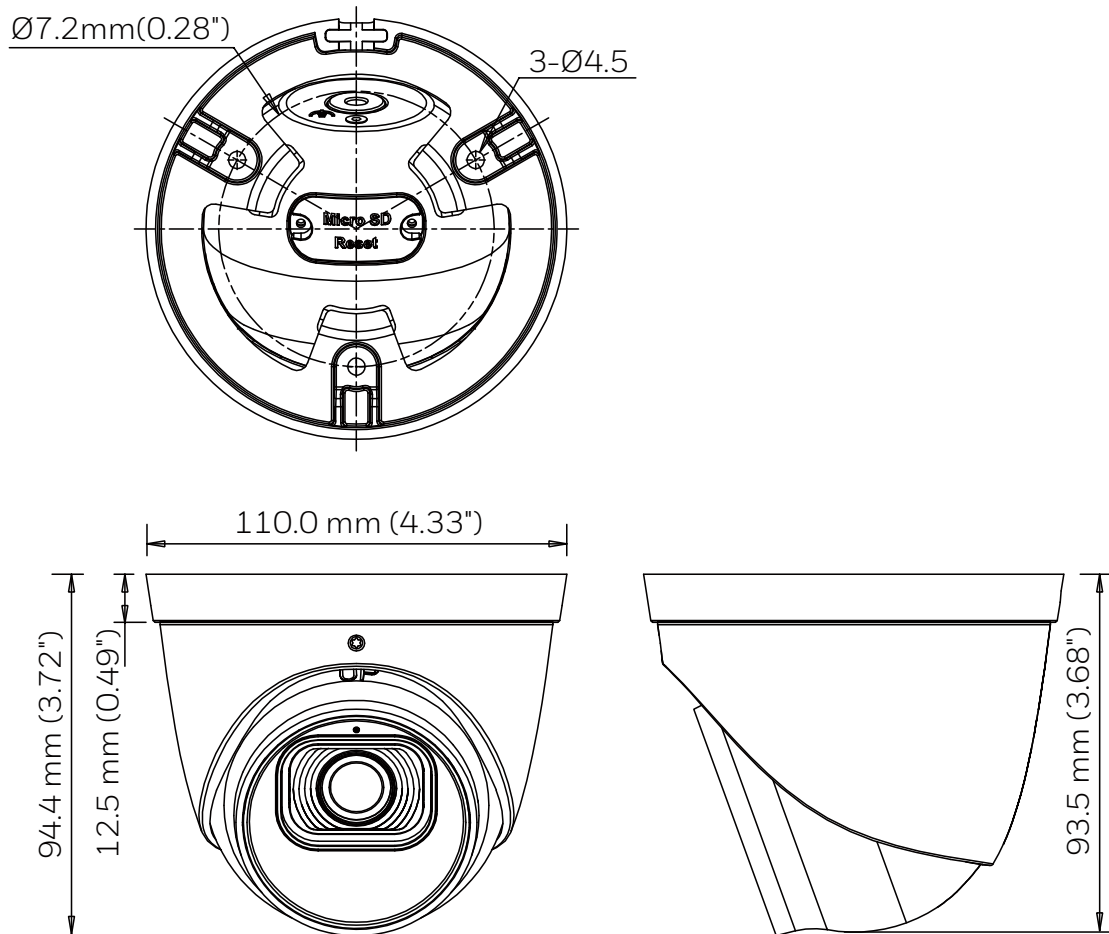
OPTIONAL MOUNTS AND ACCESSORIES	
HA35PMC03	35S Fixed Camera Cap, 1.5NPT Male
HA35CLM01	35S Ceiling Mount Base with Adapter
HA35CLM02	35S Ceiling Mount Extension , 252mm
HA60JCBH1	60S Junction Box
HA60WLMB1	60S Wall Mount Bracket , 1.5 NPT Female
HA60PLMZ	60S Pole Mount Adapter
HA60CNMZ	60S Corner Mount Adapter

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ORDERING

HC35WE3R3	WDR 3 MP IR Fixed Ball Camera, 2.8mm, PoE,DC12V, IK10
HC35WE5R3	WDR 5 MP IR Fixed Ball Camera, 2.8mm, PoE,DC12V,Audio&Alarm In/Out, IK10
HC35WE8R3	WDR 8 MP IR Fixed Ball Camera, 2.8mm, PoE,DC12V,Audio&Alarm In/Out

DIMENSIONS



For more information

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