

70 SERIES HC70W48R2

8 MP Network Outdoor Dome Camera



OPERATIONAL

Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	Sony IMX334, 1/1.8 in
Sensor Size (H x V)	7,68 mm x 4,32 mm
Number of Pixels (H x V)	8 MP (3840 x 2160)
Minimum Illumination (Color/BW)	Color: 0.005 Lux @F1.5, B/W: 0Lux @F1.5(IR on)
S/N Ratio	>50 dB
Electronic Shutter Speed	Exposure mode: manual min exposure time: 1/32000-1/120 max exposure time: 1/25000-1
IR Distance	40 m
IR Light Control	Smart IR (Auto/Manual 0-100%), External IR trigger by output
IR Light Number	22
Removable IR-Cut Filter	Yes
Day/Night	Auto/Day/Night/Schedule
Backlight Compensation	WDR, HLC
White Balance	Auto/Fixed Current/Manual
Gain Control	0-100 %
Wide Dynamic Range	130 dB
Noise Reduction	3D DNR
Lens	Remote Focus, 3,6 mm to 11 mm, MFZ, P - IRIS, F1.5 ~ F2.8
Angle Of View (H x V)	H: 105° ~ 49°, V: 58° ~ 28°
Privacy Masking	Off/On (5 areas)
Defog	Support
Encryption Chipset	Built-in FIPS 140-2 certified encryption chipset
Local Storage	2 Micro SD/SDHC/SDXC card slot (up to 1 TB each), SD card encryption
Micro USB	Support Wi-Fi dongle configuration
Alarm Inputs / Outputs	1 In/1 Out

VIDEO

Smart Video Analytics (Built-in)	Intrusion detection, loiter detection, line crossing, face detection, object left unattended, object removed, motion detection, tampering detection
Video Analytics (Additional license required)	License plate recognition
Video Compression	H.265 HEVC/H.264/MJPEG, Smart Codec
Resolution (16/9)	Main stream: 3840x2160, 3264x1840, 2688x1520, 2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, 800x600, 640x480, 640x360, 320x240 Sub stream: 1920x1080, 1280x720, 800x600, 640x480, 640x360, 320x240 Third stream: 1280x720, 800x600, 704x576, 640x480, 640x360, 320x240
Number of Video Streams	3
Frame Rate	30 fps (8 M mode), 60 fps (2 M mode)
Bit Rate	16K to 80M bps

AUDIO

Audio Compression	G.711a/G.711Mu/G.726
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Audio Stream	Full duplex, simplex
Audio Interface	Line in/out

NETWORK

Ethernet	10 Base-T/100 Base-TX Ethernet (RJ-45)
Supported Web Browsers	Mozilla Firefox™, Chrome™, Microsoft® Edge™
Supported OS	Microsoft® Windows™ 10
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTPSP/ RTP/RTCP, IGMP/Multicast, SMTP, DHCP, NTP, DNS, DDNS, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS
Interoperability	ONVIF Profile S/G/T/M
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, PCIDSS compliance, FIPS 140-2 certified chipset built-in, UL 2900-2-3, Security Level L3
Languages Supported	English, French, German, Italian, Japanese, Por- tuguese, Russian, Spanish, Traditional Chinese

EVENTS

Event type	Video analytics, periodically, alarm input, system boot, recording notification
Event linkage	Event notification using digital output, HTTP, e-mail and MicroSD card
Region Of Interest	6

ELECTRICAL

Power Supply	AC24 V , PoE (IEEE 802.3af, Class 3)
Power Consumption (Max)	13 W

MECHANICAL

Dimensions (D x D x H)	147,9 mm x 147,9 mm x 124, 1 mm (5.82 in x 5.82 in x 4.89 in)
Dome Diameter	95,0 mm (3.74 in)
Product Weight	1,08 kg (2.38 lb)
Package Weight	2,14 kg (4.72 lb)
Body Material	Metal (die casting aluminum with powder coating)
Color	RAL 120-1 (Honeywell white)

ENVIRONMENTAL

Operating Temperature	-40°C to +60°C (-40°F to +140°F) (65°C [145°F] 4 hours)
Relative Humidity	90 %, non-condensing
Ingress Protection	IP66/IP67/NEMA 4X
Impact Resistance	IK10
Heater	Yes
Gore-Vent	Yes

REGULATORY

Honeywell

70 Series 8 MP Network Outdoor Dome Camera Technical Specifications

Emissions	FCC PART 15, CE (EN 55032), comply with RCM and UKCA
Immunity	CE (EN 50130-4), comply with RCM and UKCA
Safety	UL Listed to UL/CSA 62368-1, CE (EN 62368-1), UL/CSA 60950-22, CE (EN 60950-22), comply with UKCA
RoHS	CE (EN 50581), UAE (Cabinet Decree No.10 of 2017)
Country of Origin	Taiwan

SYSTEM COMPATIBILITY

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
Honeywell DVM	Supported with Honeywell DVM R700.1 (and later maintenance releases)

OPTIONAL MOUNTS AND ACCESSORIES

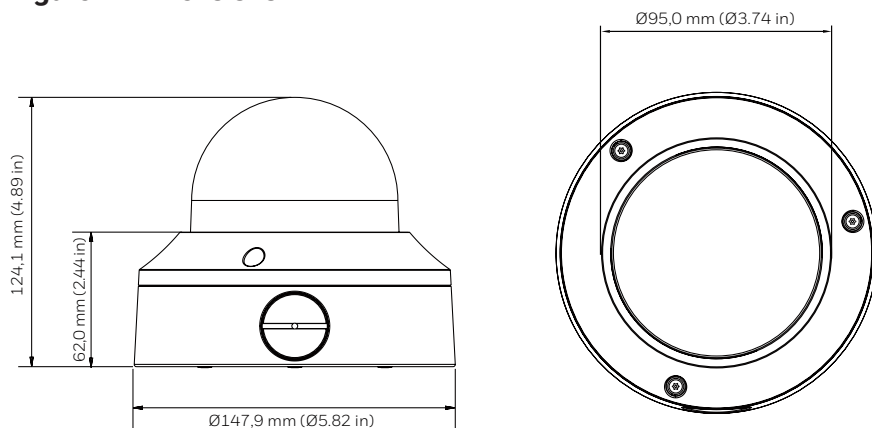
HA60WLM4*	Wall mount bracket for 4-inch dome, white
HA60CNMZ	Corner mount bracket
HA60PLMZB	Pole mount bracket
HA60PMC4*	Pendant mount adapter, 1.5 NPT (outside), 3/4 NPT (inside)
HA60WIF	Wi-Fi dongle and USB adapter for camera configuration
HA70RPG	70s dome camera rubber kit
HA70SB4	70s dome camera smoked bubble
HA70ICK	In-ceiling mount bracket for 70S dome

* Rev C or above.

ORDERING

HC70W48R2	8 MP Network IR rugged dome camera, TDN, WDR, 1/2.7 in CMOS, 3,6 mm to 11 mm MFZ, 22IR LEDs, H.265, PoE, IP66/IP67/IK10, NDAA compliant
HV70LPRL1	Honeywell License Plate Recognition L1, Stop & Go
HV70LPRL2	Honeywell License Plate Recognition L2, Up to Speed 30 mph

Figure 1. Dimensions



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