

# 60 SERIES

## HC60WZ8R40WI

## HC60WZ8R40KI



### 8MP Ultra Low-Light IR PTZ Cameras

**5 YEAR**  
WARRANTY

**ONVIF®** | **SGTM**

OPERATIONAL	
RAM	2 x 8 Gigabits
Flash	2 Gigabits
Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	1/1.8" CMOS
Sensor Size (H x V)	7.712 mm x 4.400 mm
Number Of Pixels(H x V)	8MP (3840 x 2160)
Minimum Illumination (Color/BW)	Color: 0.01 lux @ F1.6 (AGC On) BW: 0 lux @F1.6 (IR On)
S/N Ratio	>55 dB
Electronic Shutter Speed	1 to 1/30,000s
IR Distance	up to 500 m
IR Light Control	Smart IR (Auto / Manual) / OFF
IR Light Number	8
Removable IR-Cut Filter	Yes
Day/Night	Auto / Day / Night / Timing
Backlight Compensation	WDR, BLC, HLC
White Balance	Auto/Tungsten/Fluorescent/Daylight/Shadow
Gain Control	0-100%
Wide Dynamic Range	Up to 140 dB
Noise Reduction	3D DNR
Lens	6.8-272 mm, F1.63 ~ F4.94, P Iris
EIS	Supported
Angle Of View (H x V)	H: 60.8° ~ 2.29° V: 35.9° ~ 1.28°
G-Sensor	Supported
Privacy Masking	Off / On (5 Areas)
Defog	Supported
Encryption Chipset	608B
Local Storage	Micro SD/SDHC/SDXC card slot (1 TB)
Alarm Inputs/Outputs	7 in/2 out
Reset Button	Supported
PTZ	
Pan Speed	0.01° ~ 300°/s
Pan Range	360° endless
Tilt Speed	0.01° ~ 300°/s
Tilt Range	-10° to 90° Auto flip 180°
Preset Accuracy	0.2°
Preset Locations	400
Auto Pan Scan	Supported
Auto Tracking	Supported
Auto Resume After Power Failure	Resume to home position

VIDEO							
Video Compression	H.265 / H.264 / MJPEG, Smart codec						
Resolution (16/9)	3840 x 2160/2592 x 1520/2560 x 1440/2304 x 1296/1920 x 1080/1280 x 720						
Resolution (4/3)	2592 x 1944/640 x 480/320 x 240						
Resolution	<table border="1"> <thead> <tr> <th>PAL</th> <th>NTSC</th> </tr> </thead> <tbody> <tr> <td> <b>8 MP Mode</b>  <b>Stream1</b>                      3840 x 2160, 2592 x 1944, 2592 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720 @25 fps  <b>Stream2</b>                      704 x 576, 640 x 480, 352 x 288 @25 fps  <b>Stream3</b>                      1920 x 1080, 1280 x 720, 640 x 480, 352 x 288, 320 x 240 @25 fps                 </td> <td> <b>Stream1</b>                      3840 x 2160, 2592 x 1944, 2592 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720 @30 fps  <b>Stream2</b>                      704 x 480, 640 x 480, 352 x 240 @30 fps  <b>Stream3</b>                      1920 x 1080, 1280 x 720, 640 x 480, 352 x 240, 320 x 240 @30 fps                 </td> </tr> <tr> <td> <b>2 MP Mode</b>  <b>Stream1</b>                      1920 x 1080, 1280 x 720 @50 fps  <b>Stream2</b>                      704 x 576, 640 x 480, 352 x 288 @25 fps  <b>Stream3</b>                      640 x 480, 352 x 288, 320 x 240 @25 fps                 </td> <td> <b>Stream1</b>                      1920 x 1080, 1280 x 720 @60 fps  <b>Stream2</b>                      704 x 480, 640 x 480, 352 x 240 @30 fps  <b>Stream3</b>                      640 x 480, 352 x 240, 320 x 240 @30 fps                 </td> </tr> </tbody> </table>	PAL	NTSC	<b>8 MP Mode</b> <b>Stream1</b> 3840 x 2160, 2592 x 1944, 2592 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720 @25 fps <b>Stream2</b> 704 x 576, 640 x 480, 352 x 288 @25 fps <b>Stream3</b> 1920 x 1080, 1280 x 720, 640 x 480, 352 x 288, 320 x 240 @25 fps	<b>Stream1</b> 3840 x 2160, 2592 x 1944, 2592 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720 @30 fps <b>Stream2</b> 704 x 480, 640 x 480, 352 x 240 @30 fps <b>Stream3</b> 1920 x 1080, 1280 x 720, 640 x 480, 352 x 240, 320 x 240 @30 fps	<b>2 MP Mode</b> <b>Stream1</b> 1920 x 1080, 1280 x 720 @50 fps <b>Stream2</b> 704 x 576, 640 x 480, 352 x 288 @25 fps <b>Stream3</b> 640 x 480, 352 x 288, 320 x 240 @25 fps	<b>Stream1</b> 1920 x 1080, 1280 x 720 @60 fps <b>Stream2</b> 704 x 480, 640 x 480, 352 x 240 @30 fps <b>Stream3</b> 640 x 480, 352 x 240, 320 x 240 @30 fps
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	Number of Video Streams	3					
	Frame Rate Main Stream	8MP mode max 30 fps 2MP mode max 60fps					
Frame Rate Second Stream	Max 30fps						
Frame Rate Third Stream	Max 30fps						
Bit Rate	<b>Main stream:</b> 3840 x 2160, 2592 x 1944, 2592 x 1520, 2560 x 1440 @25/30fps 500kbps-16000kbps 2304 x 1296, 1920 x 1080 @25/30fps 500kbps-12000kbps 1920 x 1080 @50/60fps 500kbps-12000kbps 1280 x 720 @25/30fps 200kbps-8000kbps 1280 x 720 @50/60fps 200kbps-8000kbps <b>Sub stream:</b> 704 x 576(PAL)/704 x 480(NTSC) @25/30fps 100kbps-6000kbps 640 x 480 @ 25/30fps 100kbps-3000kbps 352 x 288(PAL)/352 x 240(NTSC) @25/30fps 100kbps-1500kbps <b>3rd stream:</b> 1920 x 1080 @25/30fps 500kbps-12000kbps 1280 x 720 @25/30fps 200kbps-8000kbps 640 x 480 @ 25/30fps 100kbps-3000kbps 352 x 288(PAL)/352 x 240(NTSC), 320 x 240 @25/30fps 100kbps-1500kbps						
Analog Output Support	Supported						

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# 60 SERIES 8MP ULTRA LOW-LIGHT IR PTZ CAMERAS

AUDIO	
Audio Compression	G.711 a/G.711 Mu
Audio Stream	Full duplex
Audio Interface	Line in/out
NETWORK	
Ethernet	10 Base-T/100 Base-TX Ethernet (RJ-45)
Supported Web Browsers	Chrome, MicroSoft Edge
Supported OS	Microsoft Windows 10, Windows 11
Protocols*	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, DHCP, NTP, DNS, DDNS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS, FTP/SFTP
Interoperability	ONVIF Profile G/S/T/M
Maximum Users Access	10 Users
Security	User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2&TLS1.3, Stream encryption, AES128 / 256, SSH / Telnet closed, PCIDSS compliance, Built-In encryption chipset
Languages Supported	Arabic, Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Spanish, Turkish, Traditional Chinese

EVENTS / ANALYTICS	
Video Analytics	Motion Detection, Smart Motion, Scene Change, Intrusion, Multi-Loitering, People Counter, Face Detection, Line Crossing Detection, Unattended Object Detection, Missing Object Detection
Event Type	Analytics Alarm, Security Alarm, Disk Alarm, Recording Alarm, Audio Detection
Event Linkage	Email, Push notification, SD card recording, Digital output
Region of Interest	8
Event	Event notification using digital output SMTP, FTP and MicroSD card

ELECTRICAL	
Power Supply	AC 24 V, PoE++ (802.3 bt)
Power Consumption (Max)	47.5 W
Power Output	N/A

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

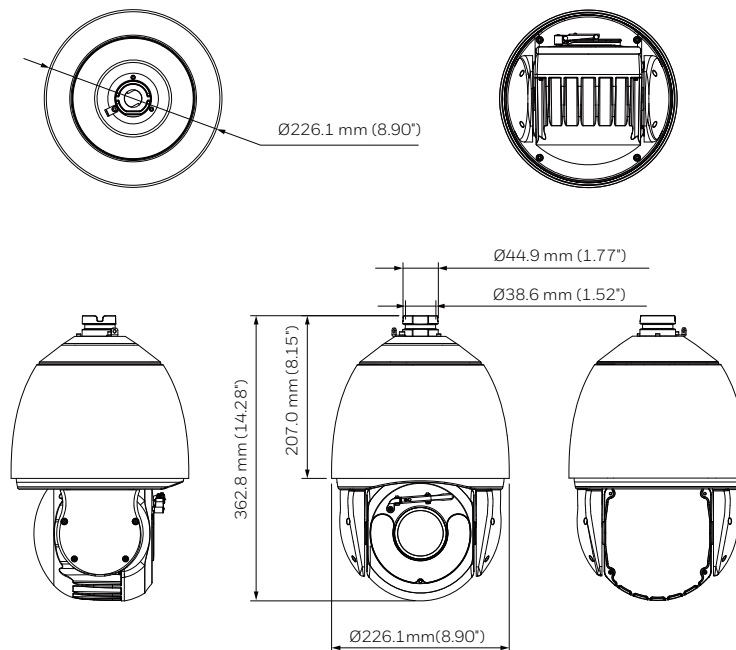
MECHANICAL	
Dimensions	Ø226.1 x 362.8 mm (8.90" x 14.28")
Package Dimensions	315x315x495 mm (12.4" x 12.4" x 19.49")
Product Weight	HC60WZ8R40WI: 5.505 kg (12.136 lb) HC60WZ8R40KI: 5.425 kg (11.960 lb)
Package Weight	HC60WZ8R40WI: 7.055 kg (15.554 lb) HC60WZ8R40KI: 6.980 kg (15.388 lb)
Body Material	Aluminium alloy + Plastic
Color	White (RAL9003) + Black

ENVIRONMENTAL	
Operating Temperature	Starting Temperature: -40 °C (-40 °F) Working Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F)
Relative Humidity	Less than 95%, non-condensing
Ingress Protection	IP66, IP67
Impact Resistance	HC60WZ8R40WI: IK10 (housing only) HC60WZ8R40KI: IK10
Heater	Supported
Wiper	HC60WZ8R40WI: Supported HC60WZ8R40KI: N/A

REGULATORY	
Emissions	FCC PART 15, CE(EN55032), Complies with RCM and UKCA
Immunity	CE(EN 50130-4, EN 55035), 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
Warranty	5 year

DORI (EN62676-4 STANDARD)	
Detect	Wide: 137 m (449.48 ft) Tele: 5600 m (18372.7 ft)
Observe	Wide: 54.8 m (179.79 ft) Tele: 2240 m (7349.08 ft)
Recognize	Wide: 27.4 m (89.9 ft) Tele: 1120 m (3674.54 ft)
Identify	Wide: 13.7 m (44.95 ft) Tele: 560 m (1837.27 ft)

## DIMENSIONS



# 60 SERIES 8MP ULTRA LOW-LIGHT IR PTZ CAMERAS

## SYSTEM COMPATIBILITY & RECOMMENDED ACCESSORIES

SYSTEM COMPATIBILITY		OPTIONAL MOUNTS AND ACCESSORIES*	
MAXPRO NVR HE	Up to 256 IP channels RAID5/6 enterprise NVR	HA60WLMZI	60S PTZ wall mount bracket, white, 1.5NPT female
MAXPRO NVR PE	Up to 192 IP channels RAID5/6 enterprise NVR	HA60WLMZL	60S 1.5NPT Longer Wall Mount, 1.5NPT female
MAXPRO NVR SE	Up to 96 IP channels system NVR	HA60PLMZI	60S PTZ pole mount bracket, white
MAXPRO NVR XE	Up to 24 IP channels system NVR	HA60CNMZI	60S PTZ corner mount bracket, white
MAXPRO NVR Software	Up to 256 IP channels recording software	HA60CLM01	60S PTZ pendent mounting base, 1.5NPT female
ADPRO NVR IFT-E	Up to 32 IP channels with up to 32 VA channels NVRs	HA60CLM02	60S pendent extension pipe, 1.5NPT male
ADPRO NVR IFT	Up to 32 IP channels or 16 IP channels with up to 16 VA channels NVRs		
ADPRO NVR EFT-S	Up to 16 IP channels or 8 IP channels with up to 8 VA channels NVRs		
ADPRO NVR iFT Gateway	4 IP channels + 4 VA channels		
Honeywell DVM	Supported with Honeywell DVM 800		
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	
HC60WZ8R40WI	60 Series 8MP Ultra Low-Light IR PTZ Camera , WDR up to 140 db, 40X, PoE 802.3bt, IP66, IP67, with Wiper
HC60WZ8R40KI	60 Series 8MP Ultra Low-Light IR PTZ Camera, WDR up to 140 db, 40X, PoE 802.3bt, IP66, IP67



HEVC Advance™

### For more information

[buildings.honeywell.com/security](https://buildings.honeywell.com/security)

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