

PERFORMANCE SERIES

HEW8PER2V



Network WDR 8MP IR Ball Camera

OPERATIONAL	
Video Standard	NTSC / PAL
Scanning System	Progressive scan
Image Sensor	1/2.8" 8 Megapixel progressive scan CMOS
Number Of Pixels(H x V)	3840 x 2160
Minimum Illumination	0.005 Lux/F1.5 (Color,30IRE) 0 Lux/F1.5 (IR ON)
S/N Ratio	More than 50dB
Electronic Shutter Speed	1 / 3~1 / 100000s
IR Distance	Up to 50 m (164 ft) depending on scene reflectance
IR Light Control	Manual / Smart IR / OFF
IR Light Number	2
Day/Night	Auto(ICR) / Color / B&W
Backlight Compensation	BLC / HLC / WDR
Wide Dynamic Range	120dB
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual / Customized Region
Gain Control	0~100
Noise Reduction	3D NR
Privacy Masking	Off / On (4 Areas, Rectangle)
Motion Detection	Off / On (4 Zones, Rectangle)
Region Of Interest	Off / On (4 Zones)
Lens	2.7mm~13.5mm, Motorized, F1.5
Angle Of View	H:113°~31°, V:58°~17°
VIDEO	
Compression	H.265 / H.264H / Smart Codec / MJPEG (Sub Stream)
Resolution	8M (3840 x 2160); 6M (3072 x 2048); 5M (3072 x 1728/2592 x 1944); 4M (2688 x 1520); 3M (2048 x 1536/2304 x 1296); 1080p (1920 x 1080); 1.3M (1280 x 960); 720p (1280 x 720); D1(704 x 576/704 x 480); VGA (640 x 480); CIF (352 x 288/352 x 240)
Frame Rate	Main stream:3840 x 2160 / 3072 x 2048/3072 x 1728@(1~ 20 fps by default); 2592 x 1944 / 2688 x 1520 / 2048 x 1536 / 2304 x 1296 / 1920 x 1080 / 1280 x 960 / 1280 x 720 @ (1 ~ 25/30 fps) Sub stream:704 x 576 / 640 x 480 / 352 x 288@(1 ~ 25 fps); 704 x 480 / 640 x 480 / 352 x 240@(1 ~ 30 fps) Third stream:1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480@(1 ~ 25fps); 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480@(1 ~ 30fps)
Bit Rate Control	CBR / VBR
Bit Rate	H.264: 3 Kbps~8192 Kbps H.265: 3 Kbps~8192 Kbps
Analytics	Motion Detection, Video Tamper, Scene Change, Smart Motion, Detection, Smart Tripwire, Smart Intrusion, Face Detection
AUDIO	
Interface	Built-in Mic

NETWORK	
Ethernet	RJ-45 (10 / 100Base-T)
Supported Web Browsers	Internet Explorer (11.0+)
Supported OS	Windows® 7 32-bit / 64-bit; Windows® 10 32-bit / 64-bit
Protocols*	HTTP; HTTPS; TCP; ARP; RTSP; RTP; RTCP; UDP; SMTP;DHCP; DNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; Bonjour;IEEE 802.1x; Multicast; ICMP; IGMP; TLS
Interoperability	ONVIF Profile S / G / Q / T
Maximum Users Access	20 users
Security	User account and password protection HTTPS, IP Filter, Digest authentication, User access log, TLS1.2 only, AES-128 / 256, SSH / Telnet closed, sFTP by default, PCIDSS compliance
Event	No SD card, SD card error, Capacity warning, Network disconnection, IP conflict, Illegal access
Micro SD	Supports max. 256 GB Micro SD card, Class 10 (not included)
ELECTRICAL	
Power Supply	DC 12V, PoE (802.3af)(Class 0),
Power Consumption	<7.3W
MECHANICAL	
Dimensions	Ø122.0mm x 108.3mm(Ø4.80" x 4.30")
Product Weight	0.68kg(1.5lb)
Package Weight	0.82kg (1.8lb)
Construction	Die-cast aluminum housing with powder coat
Construction Color	RAL 9003 (White)
ENVIRONMENTAL	
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Relative Humidity	0% to 95%, non-condensing
Ingress Protection	IP66
REGULATORY	
Emissions	FCC Part 15B, EN55032
Immunity	EN 50130-4
Safety	UL 60950-1, EN 62368-1
RoHS	EN 50581








*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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RECOMMENDED ACCESSORIES

SYSTEM INTEGRATION	
HEN*4	8 / 16 / 32 / 64-Channel Performance Series 4K NVRs (H.264 and H.265)
HEN*3	4 / 8 / 16 / 32-Channel Performance Series 4K NVRs (H.264 and H.265)
HEN*3V	4 / 8 / 16- Channel Embedded NVRs (H.265)

MOUNTS AND ACCESSORIES		
HQA-WK**		Wall Mount
HQA-BB4		Junction Box
HQA-BB2**		Junction Box

MOUNTS AND ACCESSORIES		
HEJB		Back box
HQA-PM2		Pole Mount Adapter
HQA-PK		Pendant Mount Cap
HQA-CBE**		Ceiling Mount Extend Bracket
HQA-CB**		Ceiling Mount Bracket
HB34S2-CM		Corner Mount Adapter
HBS2-BB		Back Box

**The HQA-WK/HQA-BB2 must be used when installing the camera to HQA-PM2.

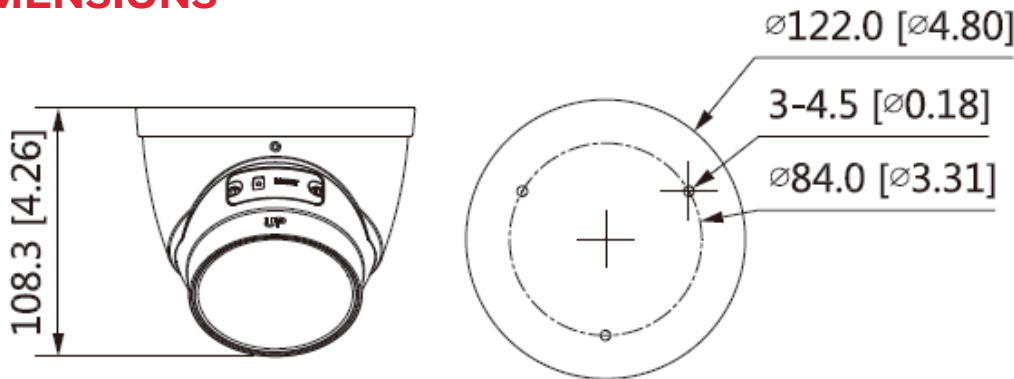
The HQA-CB must be used when installing the camera to HQA-PK.

The HQA-CBE must be used with HQA-CB together.

The HQA-BB2 / HBS2-BB must be used when installing the camera to HB34S2-CM.

ORDERING	
HEW8PER2V	Network WDR 8MP IR Ball Camera, 1/2.8" CMOS, 2.7mm-13.5mm Motorized, 2 IR LEDs, PoE, IP66, H.265/H.264/Smart Codec, White

DIMENSIONS



For more information

buildings.honeywell.com/security

Honeywell Commercial Security

715 Peachtree St. NE

Atlanta, GA 30308

1.800.323.4576

www.honeywell.com

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