

PERFORMANCE SERIES

HBW8PER2V



Network WDR 8MP IR Bullet Camera

OPERATIONAL	
Video Standard	NTSC / PAL
Scanning System	Progressive
Image Sensor	1/2.8" 8 Megapixel progressive CMOS
Number Of Pixels(H x V)	3840 x 2160
Minimum Illumination	0.007 Lux/F1.5(color,30IRE), 0 Lux with IR ON
S/N Ratio	More than 50dB
Electronic Shutter Speed	1/3~1/100000s
IR Distance	Up to 60m (197ft), depending on scene reflectance
IR Light Control	Manual / Smart IR / OFF
IR Light Number	4
Day/Night	Auto(ICR) / Color / B&W
Back Light 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°
Alarm Input/Output	1 In; 1 Out
VIDEO	
Compression	H.264 / H.264B / H.264H / H.265 / Smart Codec / MJPEG (Sub Stream)
Resolution	4K(3840 x 2160) / 6M(3072 x 2048) / 5M(3072 x 1728) / 5M(2592 x 1944) / 4M(2688 x 1520) 3M(2048 x 1536) / 3M(2304 x 1296) / 1080P(1920 x 1080) / 1.3M(1280 x 960) / 720P(1280 x 720) Sub Stream: D1(704 x 480 / 576) / VGA(640 x 480) / CIF(352 x 240/288)
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	1 In; 1 Out
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	DC12V, PoE (802.3af)(Class 0)
Power Consumption	<10.7W
MECHANICAL	
Dimensions	Ø244.1mm x 79mm x 75.9mm (Ø9.61" x 3.11" x 2.99")
Product Weight	0.95kg (2.09lb)
Package Weight	1.16kg (2.56lb)
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

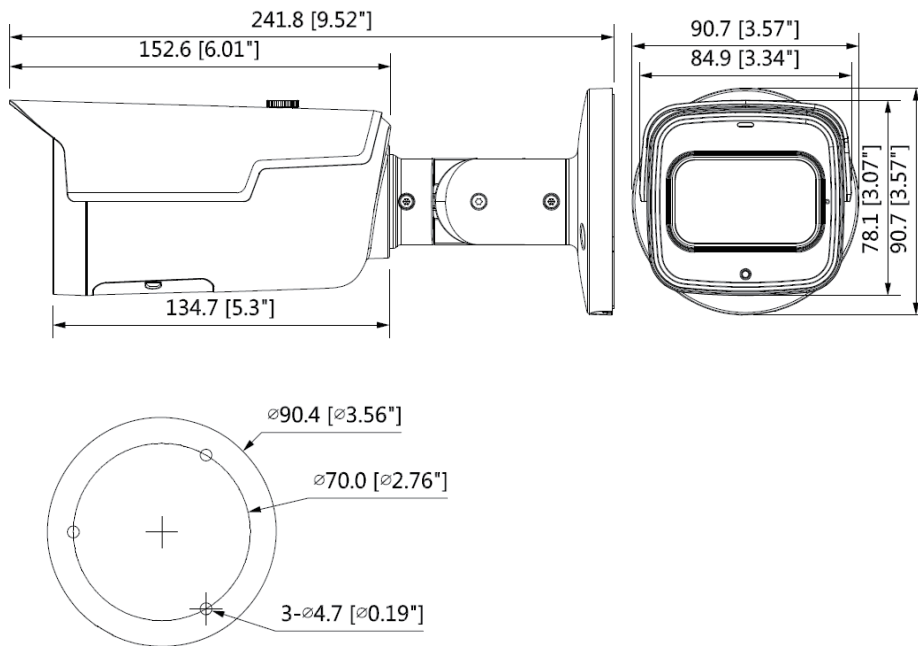
SYSTEM INTEGRATION	
HEN*4	8 / 16 / 32 / 64-Channel Performance Series 4K NVRs (H.264 and H.265)
HEN*3	4 / 8 / 16 / 32-Channel Performance Series 4K NVRs (H.264 and H.265)
HEN*3V	4 / 8 / 16-Channel Embedded NVRs (H.265)

MOUNTS AND ACCESSORIES		
HQA-PM2		Pole Mount Adapter
HBS2-BB**		Junction Box

**The HBS2-BB must be used when installing the camera to HQA-PM2.

ORDERING	
HBW8PER2V	Network WDR 8MP IR Bullet Camera, 1/2.8" CMOS, 2.7mm~13.5mm Motorized, 4 IR LEDs, PoE, IP66, H.265 / Smart Codec

DIMENSIONS



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