

# H2W2PER3 H2W4PER3

Network WDR 2MP/4MP IR Micro Dome Camera



| OPERATIONAL              |                                                                                                                                                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VIDEO STANDARD           | NTSC/PAL                                                                                                                                                                                                            |
| SCANNING SYSTEM          | Progressive                                                                                                                                                                                                         |
| IMAGE SENSOR             | H2W2PER3: 1/2.8" 2 Megapixel progressive scan CMOS<br>H2W4PER3: 1/3" 4 Megapixel progressive scan CMOS                                                                                                              |
| NUMBER OF PIXELS (H × V) | H2W2PER3: 1920(H) × 1080(V)<br>H2W4PER3: 2688(H) × 1520(V)                                                                                                                                                          |
| MINIMUM ILLUMINATION     | H2W2PER3: 0.07lux/F2.0 (Color,30IRE)<br>0Lux/F2.0 (IR on)<br>H2W4PER3: 0.3lux/F2.0 (Color,30IRE)<br>0Lux/F2.0 (IR On)                                                                                               |
| S/N RATIO                | More than 45dB                                                                                                                                                                                                      |
| ELECTRONIC SHUTTER SPEED | 1/3(4)~1/100000s                                                                                                                                                                                                    |
| IR DISTANCE              | Up to 20m (66ft), depending on scene reflectance                                                                                                                                                                    |
| IR LIGHT CONTROL         | Manual/SmartIR/OFF                                                                                                                                                                                                  |
| IR LIGHT NUMBER          | 10                                                                                                                                                                                                                  |
| DAY/NIGHT                | Auto(ICR) / Color / B/W                                                                                                                                                                                             |
| BACKLIGHT COMPENSATION   | BLC / HLC / WDR                                                                                                                                                                                                     |
| WHITE BALANCE            | Auto/Natural/Street Lamp/Outdoor/Manual/Customized Region                                                                                                                                                           |
| GAIN CONTROL             | 0~100                                                                                                                                                                                                               |
| WIDE DYNAMIC RANGE       | 120dB                                                                                                                                                                                                               |
| NOISE REDUCTION          | 3D DNR                                                                                                                                                                                                              |
| PRIVACY MASKING          | Off / On (4 Areas, Rectangle)                                                                                                                                                                                       |
| MOTION DETECTION         | Off / On (4 Zones, Rectangle)                                                                                                                                                                                       |
| REGION OF INTEREST       | Off / On (4 Zones)                                                                                                                                                                                                  |
| FACE DETECTION           | Supported                                                                                                                                                                                                           |
| AUDIO DETECTION          | Supported                                                                                                                                                                                                           |
| LENS                     | 2.8mm, F2.0 Fixed, Board-in                                                                                                                                                                                         |
| ANGLE OF VIEW            | H2W2PER3: H: 110°, V:60°<br>H2W4PER3: H: 104°, V:58°                                                                                                                                                                |
| VIDEO                    |                                                                                                                                                                                                                     |
| VIDEO COMPRESSION        | H.265/H.264H/Smart Codec/MJPEG (Sub Stream)                                                                                                                                                                         |
| RESOLUTION               | H2W2PER3:1080P(1920x1080)/1.3M(1280x960)/720P(1280x720)/D1(704x480/576)/CIF(352x240/288)<br>H2W4PER3: 4M(2688x1520)/3M(2304x1296)/1080P(1920x1080)/1.3M(1280x960)/720P(1280x720)/D1(704x480/576)/CIF(352x240/288)   |
| FRAME RATE               | H2W2PER3: Main Stream: 1080P (1~50/60fps)<br>Sub Stream: D1(1~50/60fps)<br>Third Stream: 1080P(1~25/30fps)<br>H2W4PER3: Main Stream: 4M(1~25/30fps)<br>Sub Stream: D1(1~25/30fps)<br>Third Stream: 720P(1~25/30fps) |
| BIT RATE CONTROL         | CBR/VBR                                                                                                                                                                                                             |
| BIT RATE                 | H2W2PER3: H.264: 24~9472Kbps<br>H.265: 14~5632Kbps<br>H2W4PER3: H.264: 24~10240Kbps<br>H.265: 14~9984Kbps                                                                                                           |

| AUDIO                  |                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMPRESSION            | G.711a /G.711Mu /AAC /G.726                                                                                                                                                    |
| INTERFACE              | Built-in Mic                                                                                                                                                                   |
| NETWORK                |                                                                                                                                                                                |
| ETHERNET               | RJ-45 (10/100Base-T)/M12 D-Coding                                                                                                                                              |
| SUPPORTED WEB BROWSERS | Internet Explorer (11.0+)                                                                                                                                                      |
| SUPPORTED OS           | Windows® 7 32-bit/64-bit;<br>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                                                                                                                                                            |
| 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               | Up to 128 GB microSDHC card, Class 10 (not included)                                                                                                                           |
| ELECTRICAL             |                                                                                                                                                                                |
| POWER SUPPLY           | DC12V, PoE (802.3af) (Class 0)                                                                                                                                                 |
| POWER CONSUMPTION      | <4.5W                                                                                                                                                                          |
| MECHANICAL             |                                                                                                                                                                                |
| DIMENSIONS             | Ø106mm×50.3mm (4.17"×1.98")                                                                                                                                                    |
| PRODUCT WEIGHT         | 0.32kg (0.71lb)                                                                                                                                                                |
| PACKAGE WEIGHT         | 0.46kg (1.01lb)                                                                                                                                                                |
| CONSTRUCTION           | Die-cast aluminum housing with powder coat                                                                                                                                     |
| CONSTRUCTION COLOR     | RAL 9003 (White)                                                                                                                                                               |
| ENVIRONMENTAL          |                                                                                                                                                                                |
| OPERATING TEMPERATURE  | -30° C ~ +60° C (-22° F ~ +140° F)                                                                                                                                             |
| RELATIVE HUMIDITY      | Less than 95%, non-condensing                                                                                                                                                  |
| INGRESS PROTECTION     | IP66                                                                                                                                                                           |
| VANDAL RESISTANCE      | IK10                                                                                                                                                                           |
| 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.

# Network WDR 2MP/4MP IR Micro Dome Camera

## RECOMMENDED ACCESSORIES

| SYSTEM COMPATIBILITY |                                                                 |
|----------------------|-----------------------------------------------------------------|
| <b>HEN*4</b>         | 8/16/32/64-channel Performance Series 4K NVRs (H.264 and H.265) |
| <b>HEN*3</b>         | 4/8/16/32-channel Performance Series 4K NVRs (H.264 and H.265)  |
| <b>HEN*2</b>         | 4/8/16-channel Performance Series NVRs (H.264)                  |
| <b>HRHT4*</b>        | 4/8/16-channel 4 MP HQA/IP/CVBS Hybrid DVRs (H.264)             |

| MOUNTS AND ACCESSORIES |                                                                                   |                            |
|------------------------|-----------------------------------------------------------------------------------|----------------------------|
| <b>HQA-WK2</b>         |  | Outdoor Wall Mount Bracket |
| <b>HQA-BB3**</b>       |  | Junction Box               |

| MOUNTS AND ACCESSORIES |                                                                                   |                                             |
|------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|
| <b>HQA-PM2**</b>       |  | Pole Mount Adapter                          |
| <b>HQA-PK**</b>        |  | Pendant Mount Cap                           |
| <b>HQA-CBE**</b>       |  | Ceiling Mount Extend Bracket for HQA-CB     |
| <b>HQA-CB**</b>        |  | Ceiling Mount Bracket for Pendant Mount Cap |

\*\* The HQA-BB3 must be used when installing the camera to HQA-PM2, vice versa.

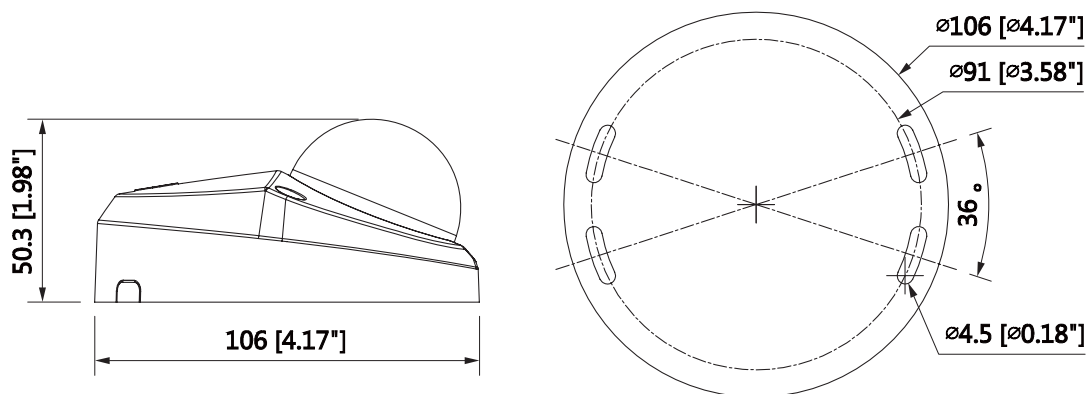
The HQA-PK must be used when installing the camera to HQA-CB.

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

## ORDERING

|                 |                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------|
| <b>H2W2PER3</b> | Network WDR 2MP IR Micro Dome Camera, 1/2.8" CMOS, 2.8mm Fixed, 10 IR LEDs, PoE, IP66, H.265/H.264/Smart Codec |
| <b>H2W4PER3</b> | Network WDR 4MP IR Micro Dome Camera, 1/3" CMOS, 2.8mm Fixed, 10 IR LEDs, PoE, IP66, H.265/H.264/Smart Codec   |

## DIMENSIONS



### For more information

[www.honeywellvideo.com](http://www.honeywellvideo.com)

### Honeywell Security

22700 Blankenbaker Pkwy, Suite 150  
Louisville, KY 40299  
1.800.323.4576  
[www.honeywell.com](http://www.honeywell.com)

ONVIF and the ONVIF logo are trademarks of ONVIF Inc. Honeywell reserves the right, without notification, to make changes in product design or specifications.

HSV-H2WxPER3-01-US(1118)DS-Y  
© 2018 Honeywell International Inc.

**Honeywell**