

# TDN WDR IR Micro Dome Camera

H2W2PRV3/H2W4PRV3

Honeywell's compact H2W2PRV3/H2W4PRV3 micro dome cameras are taking quality and reliability to the next level, providing outstanding picture clarity and hassle-free flexible system integration.

## Superior Image Quality

- Full HD 1080p 25/30 fps image with a 1/2.7" 2 megapixel sensor or full HD 4 MP 20 fps image with a 1/3" 4 megapixel sensor
- Wide Dynamic Range, up to 120 dB, ensures glare-free images
- True Day/Night provides vivid color images by day and clear black-and-white images at night with ICR
- Excellent low-light performance with 3D noise reduction, saving storage and bandwidth

## Flexible Surveillance Solution

- 2.8 mm fixed lens at F2.0
- H.264 and MJPEG codec, triple stream support
- IR LEDs provide up to 65 ft (20 m) of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Smart IR technology provides even distribution of IR
- Weatherproof (IP66) and vandal-resistant (IK10) camera housing
- -30°C to 60°C (-22°F to 140°F) working temperature
- Plug-and-play compatible with Honeywell 4/8/16-channel Performance Series Embedded NVRs

## Easy to Install and Use

- Built-in PoE (Power over Ethernet) eliminates need for separate power supply and associated wiring; 12 VDC inputs where PoE power is unavailable
- Remote configuration through web client or from the NVR
- Compatible with Honeywell's HQA-BB3 junction box, HQA-WK2 wall mount, HQA-PM pole mount, and HB34S2-CM corner mount



## Market Opportunities

These flexible, fully featured cameras are ideal for a wide range of surveillance applications, providing excellent picture quality at minimal bandwidth while offering reliable protection against dust, dirt, and water.

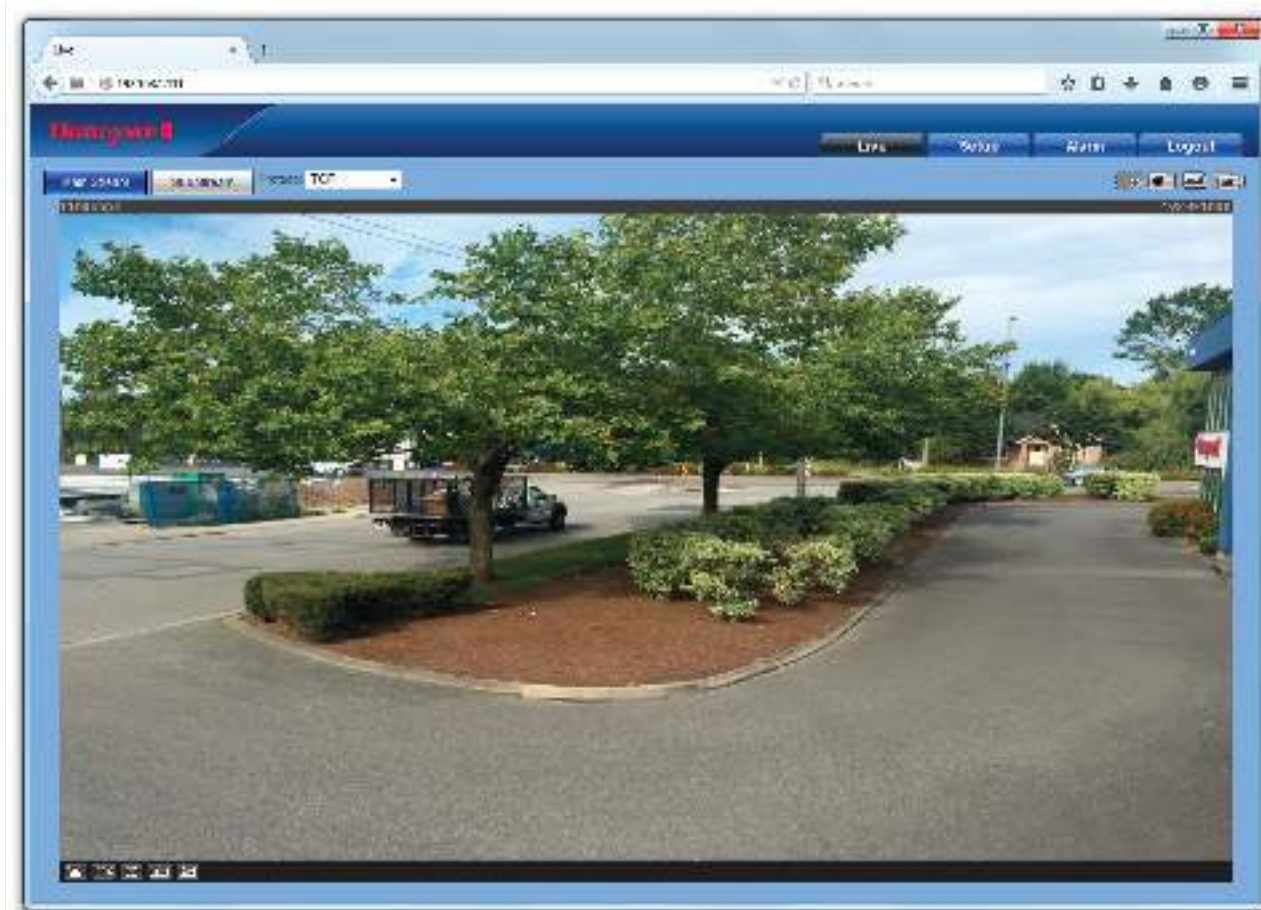
## FEATURES AND BENEFITS

- |                                                                                                                                                                                                                   |                                                                                                                                                                                                        |                                                                                                                                                                                                                |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• 1/2.7" 2 MP or 1/3" 4 MP progressive scan imager</li><li>• 2.8 mm fixed lens</li><li>• True day/night (IR-cut filter)</li><li>• Wide dynamic range up to 120 dB</li></ul> | <ul style="list-style-type: none"><li>• Low-light performance down to 0.01 lux (color) or 0 lux with IR LEDs on</li><li>• Up to 65 ft (20 m) IR illumination, depending on scene reflectance</li></ul> | <ul style="list-style-type: none"><li>• H.264 Main Profile compression</li><li>• Triple stream support</li><li>• Supports up to 20 connections</li><li>• Corridor mode</li><li>• PoE, 12 VDC support</li></ul> | <ul style="list-style-type: none"><li>• Plug-and-play compatible with Honeywell Performance Series Embedded NVRs</li><li>• IP66 and IK10-rated rugged housing</li></ul> |
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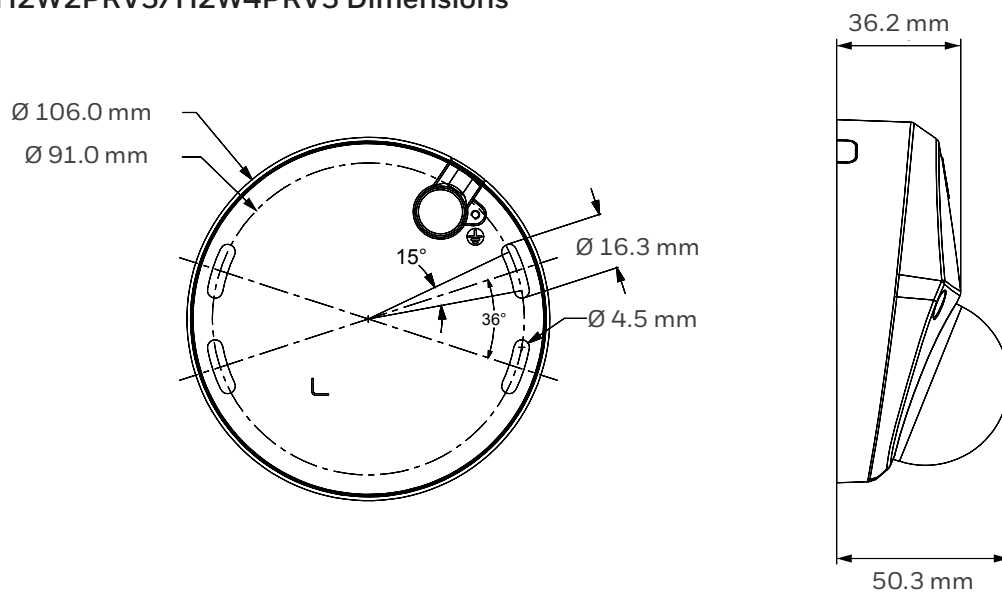
## Security Features

The camera can be configured to automatically detect and respond to events such as motion in the scene and/or camera tampering. Automated responses include sending a notification through email, FTP, and/or HTTP, and sending a still image of the event through email and/or FTP. Setup can be done using the web client or from an NVR.



## DIMENSIONS

### H2W2PRV3/H2W4PRV3 Dimensions



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## SPECIFICATIONS

| OPERATIONAL              |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VIDEO STANDARD           | NTSC/PAL                                                                                                                                                                                                                                                                                                                                                                                                        |
| SCANNING SYSTEM          | Progressive scan                                                                                                                                                                                                                                                                                                                                                                                                |
| IMAGE SENSOR             | H2W2PRV3: 1/2.7" 2 MP CMOS<br>H2W4PRV3: 1/3" 4 MP CMOS                                                                                                                                                                                                                                                                                                                                                          |
| NUMBER OF PIXELS (H×V)   | H2W2PRV3: 1920×1080 (2 MP)<br>H2W4PRV3: 2688×1520 (4 MP)                                                                                                                                                                                                                                                                                                                                                        |
| MINIMUM ILLUMINATION     | 0.01 lux, F1.4 (color)<br>0 lux (B/W with IR LEDs on)                                                                                                                                                                                                                                                                                                                                                           |
| S/N RATIO                | 50 dB or more                                                                                                                                                                                                                                                                                                                                                                                                   |
| ELECTRONIC SHUTTER SPEED | 1/3–1/100 000 s                                                                                                                                                                                                                                                                                                                                                                                                 |
| IR DISTANCE              | Up to 65 ft (20 m), depending on scene reflectance                                                                                                                                                                                                                                                                                                                                                              |
| DAY/NIGHT                | Auto(ICR)/Color/BW                                                                                                                                                                                                                                                                                                                                                                                              |
| BACKLIGHT COMPENSATION   | BLC/HLC/WDR (120 dB)                                                                                                                                                                                                                                                                                                                                                                                            |
| WHITE BALANCE            | Auto/Sunny/Night/Outdoor/Manual                                                                                                                                                                                                                                                                                                                                                                                 |
| GAIN CONTROL             | Auto/Manual                                                                                                                                                                                                                                                                                                                                                                                                     |
| NOISE REDUCTION          | 3DNR                                                                                                                                                                                                                                                                                                                                                                                                            |
| PRIVACY MASKING          | Up to 4 areas                                                                                                                                                                                                                                                                                                                                                                                                   |
| MOTION DETECTION         | Up to 4 areas                                                                                                                                                                                                                                                                                                                                                                                                   |
| LENS                     | 2.8 mm, F2.0                                                                                                                                                                                                                                                                                                                                                                                                    |
| HORIZONTAL ANGLE OF VIEW | H2W2PRV3: 120°<br>H2W4PRV3: 106°                                                                                                                                                                                                                                                                                                                                                                                |
| CORRIDOR MODE            | Yes                                                                                                                                                                                                                                                                                                                                                                                                             |
| VIDEO                    |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| VIDEO COMPRESSION        | H.264/H.264H/H.264B/MJPEG                                                                                                                                                                                                                                                                                                                                                                                       |
| FRAME RATE               | H2W2PRV3: 25/30 fps @ 1920 ×1080 (2 MP), 25/30fps @ 1280×1024 (SXGA), 25/30fps @ 1280×960 (1.3 MP), 1280×720 (720p), 704×576/704×480 (D1), 352×288/352×240 (CIF)<br>H2W4PRV3: 20 fps @ 2688×1520 (4 MP); 20 fps @ 2560 × 1440 (4 MP); 25/30 fps @ 2304×1296 (3 MP), 1920×1080 (1080p), 25/30fps @ 1280×1024 (SXGA), 25/30fps @ 1280×960 (1.3 MP), 1280×720 (720p), 704×576/ 704×480 (D1), 352×288/352×240 (CIF) |
| BIT RATE (H.264)         | 32 Kbps – 10 Mbps                                                                                                                                                                                                                                                                                                                                                                                               |
| LOCAL STORAGE            | microSD, 128 GB max.                                                                                                                                                                                                                                                                                                                                                                                            |

| AUDIO              |                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMPRESSION        | G.711, AAC                                                                                                                                           |
| INTERFACE          | Built-in mic                                                                                                                                         |
| NETWORK            |                                                                                                                                                      |
| ETHERNET           | RJ-45 (10/100Base-T)                                                                                                                                 |
| PROTOCOLS*         | IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1X |
| COMPATIBILITY      | ONVIF Profile S, Profile G                                                                                                                           |
| MAX. USER ACCESS   | 20 users                                                                                                                                             |
| MOBILE DEVICES     | HonView Touch for iPhone and Android devices                                                                                                         |
| ELECTRICAL         |                                                                                                                                                      |
| POWER SUPPLY       | PoE (802.3af), 12 VDC                                                                                                                                |
| POWER CONSUMPTION  | 5.0 W max.                                                                                                                                           |
| MECHANICAL         |                                                                                                                                                      |
| DIMENSIONS         | 106.0 × 50.3 mm (4.17 × 1.98 in.)                                                                                                                    |
| WEIGHT             | 1.04 lb (0.47 kg)                                                                                                                                    |
| CONSTRUCTION       | Die-cast aluminum housing with powder coat                                                                                                           |
| CONSTRUCTION COLOR | RAL 9003 (White)                                                                                                                                     |
| ENVIRONMENTAL      |                                                                                                                                                      |
| TEMPERATURE        | –30°C to 60°C (–22°F to 140°F)                                                                                                                       |
| RELATIVE HUMIDITY  | 0–95%, non-condensing                                                                                                                                |
| INGRESS PROTECTION | IP66                                                                                                                                                 |
| VANDAL RESISTANCE  | IK10                                                                                                                                                 |
| REGULATORY         |                                                                                                                                                      |
| EMISSIONS          | FCC Part 15, CE (EN 55032)                                                                                                                           |
| IMMUNITY           | CE (EN 50130-4)                                                                                                                                      |
| SAFETY             | North America UL Listed to UL/CSA 60950-1, CE (EN 60950-1)                                                                                           |

*\* 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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## SPECIFICATIONS

### SYSTEM INTEGRATION

#### OPEN IP INTEGRATION

ONVIF support and open API software integration. Refer to [www.onvif.org](http://www.onvif.org) for the ONVIF specification and the Honeywell Open Technology Alliance website (<http://www.security.honeywell.com/hota/>) to learn more about our open and integrated solutions



### SYSTEM COMPATIBILITY

#### NVRS

|             |                                                           |
|-------------|-----------------------------------------------------------|
| HEN041*2(X) | H.264 4-Channel 1080p<br>Embedded Network Video Recorder  |
| HEN081*2(X) | H.264 8-Channel 1080p<br>Embedded Network Video Recorder  |
| HEN161*2(X) | H.264 16-Channel 1080p<br>Embedded Network Video Recorder |

## ORDERING

### ACCESSORIES

#### MOUNTS

|           |                                 |
|-----------|---------------------------------|
| HQA-BB3   | Junction box                    |
| HQA-WK2   | Wall mount                      |
| HQA-PM    | Pole mount (requires HQA-WK2)   |
| HB34S2-CM | Corner mount (requires HQA-BB3) |

### CAMERAS

|          |                                                                                               |
|----------|-----------------------------------------------------------------------------------------------|
| H2W2PRV3 | Network TDN WDR IR Micro Dome Camera, 1/2.7" CMOS, 2 MP, 2.8 mm Fixed, 10 IR LEDs, PoE, H.264 |
| H2W4PRV3 | Network TDN WDR IR Micro Dome Camera, 1/3" CMOS, 4 MP, 2.8 mm Fixed, 10 IR LEDs, PoE, H.264   |

### For more information

[www.honeywell.com/security/uk](http://www.honeywell.com/security/uk)

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