



# 30X Zoom IR WDR PTZ IP Cameras

HDZP304DI

| CAMERA                 |  |
|------------------------|--|
| IMAGE SENSOR           | 1/3-in. CMOS   |
| OPTICAL ZOOM           | 30x  |
| DIGITAL ZOOM           | 16X  |
| WDR                    | 120 dB   |
| S/N RATIO              | >55dB  |
| MINIMUM ILLUMINATION   | Color: 0.05 Lux at F1.6<br>0 Lux at F1.6 (IR on)                               |
| FOCAL LENGTH           | 4.5 mm – 135 mm  |
| MAX APERTURE           | F1.6 – F4.4  |
| FOCUS MODE             | Manual/Auto  |
| IR DISTANCE            | Up to 328 ft. (100 m), depending on scene reflectance                          |
| ANGLE OF VIEW          | Horizontal: 2.2° to 60°  |
| WHITE BALANCE          | Auto/Indoor/Outdoor/ATW/Manual   |
| EXPOSURE MODE          | Iris Priority/Shutter Priority/Gain Priority/Manual                            |
| ELECTRONIC SHUTTER     | 1/1 TO 1/30,000 sec  |
| BACKLIGHT COMPENSATION | BLC/HLC/WDR (120 dB)   |
| DEFOG                  | On/Off   |
| NOISE REDUCTION        | 2D/3D  |
| DAY/NIGHT              | Auto (ICR)/Color/BW  |
| OPERATION              |  |
| PAN TRAVEL             | 360° endless   |
| TILT TRAVEL            | -15° to 90°, auto flip to 180°   |
| MANUAL PAN SPEED       | Up to 300%/s   |
| MANUAL TILT SPEED      | Up to 200%/s   |
| PRESETS                | 300  |
| PRESET SPEED           | Pan: 400%/s; Tilt: 300%/s  |
| TOURS                  | 8  |
| AUTO PAN/SCAN          | 1/1  |
| PATTERN                | 5  |
| PRIVACY MASKS          | 24   |
| MOTION DETECTION       | On/Off   |
| IMAGE ROTATION         | Flip   |
| AUDIO IN/OUT           | 1/1  |
| ALARM INPUT/OUTPUT     | 2/1  |
| VIDEO ANALYTICS        | Auto-tracking, face detection  |
| EVENT                  | Motion Detect; Audio Detect; SD card capacity warning                          |
| EVENT NOTIFICATION     | Record (SD card and FTP), Relay output, Email, Preset, Tour, Pattern, Snapshot |
| LANGUAGES SUPPORTED    | English, Japanese and Korean   |
| ELECTRICAL             |  |
| POWER SOURCE           | 24 VAC, 3 A (±10%), PoE+ (802.3at) class 4                                     |
| POWER CONSUMPTION      | 23 W with IR on  |


| MECHANICAL             |  |
|------------------------|--|
| DIMENSIONS             | Ø7.32" x 12.17"<br>(Ø186.0 mm x 309.0 mm)  |
| PRODUCT WEIGHT         | 7.72 lb (3.50 kg)  |
| CONNECTORS             | Power input: Bare wire with connectors<br>Network: RJ45 connector<br>Alarm I/O: Twisted wire (2 in/1 out)<br>Audio I/O: Twisted wire (1 in/1 out)                        |
| CONSTRUCTION MATERIAL  | Aluminum   |
| CONSTRUCTION COLOUR    | White (RAL CODE 9003)  |
| ENVIRONMENTAL          |  |
| OPERATING TEMPERATURE  | -40°F to 158°F (-40°C to 70°C)   |
| RELATIVE HUMIDITY      | Less than 90%, non-condensing  |
| WATERPROOF STANDARD    | IP66   |
| IP SPECIFICATIONS      |  |
| VIDEO COMPRESSION      | H.265/H.264/MJPEG  |
| VIDEO STREAMING        | <b>Primary Stream:</b> 4 MP, 3 MP at 30 fps or 1080p, 1.3 MP, 720p at 60 fps<br><b>2nd Stream:</b> D1, CIF at 30 fps<br><b>3rd Stream:</b> 1080p, 1.3 MP, 720p at 30 fps |
| VIDEO RESOLUTION       | 4 MP (2592 x 1520), 3 MP (2304 x 1296), 1080p (1920 x 1080), 720p (1280 x 720), D1 (704 x 480), CIF (352 x 240)  |
| AUDIO COMPRESSION      | G.711a, G.711Mu, AAC, G.722,   |
| AUDIO STREAM           | Full-duplex, Simplex   |
| INTERFACE              | RJ-45, 10/100 Mbps Ethernet  |
| SUPPORTED PROTOCOLS*   | IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, SSL, FTP, SMTP, DHCP, PPPoE, UPnP, SNMP, Bonjour, DDNS, IEEE 802.1x, QoS, NTP, IP Filter, ONVIF                            |
| SECURITY               | User account and password protection, HTTPS, IP Filter, IEEE 802.1x, Digest authentication, User access log  |
| MAXIMUM USERS ACCESS   | 20 users   |
| MICRO SD               | Support for microSD up to 128 GB (card not included)   |
| MICRO SD FUNCTION      | <ul style="list-style-type: none"> <li>Event trigger recording</li> <li>Continuous and scheduled recording</li> <li>Automatic recording when network fails</li> </ul>    |
| SUPPORTED WEB BROWSERS | IE 10, Firefox   |
| SUPPORTED OS           | Windows® 7 32-bit/64-bit   |
| COMMUNICATION          | ONVIF Profile S  |
| REGULATORY             |  |
| EMISSIONS              | FCC Part 15B, EN55032  |
| IMMUNITY               | EN50130-4  |
| SAFETY                 | EU: EN60950-1<br>UL Listed to UL/CSA 60950-1   |
| ROHS                   | EN50581  |

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

# Performance Series – 30x Zoom IR WDR IP PTZ Cameras

## Indoor WDR IR Minidome IP Cameras

### ORDERING

| INTEGRAZIONE DEL SISTEMA  |  | RECOMMENDED RECORDERS  |          | * The * = hard drive capacity in TB. |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
|---|--|--|----------|--------------------------------------|------------------------------|----------|--------------------------------|----------|--------------------------------|----------|--------------------------------|----------|--------------------------------|----------|--------------------------------|----------|--------------------------------|----------|--------------------------------|----------|--------------------------------|----------|----------------------------|----------|----------------------------|----------|------------------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|----------------------------------|-----------|-------------------------------------|--|
| <p>ONVIF support and open API software integration. Refer to <a href="http://www.onvif.org">www.onvif.org</a> for the ONVIF specification and the Honeywell Open Technology Alliance website (<a href="http://www.security.honeywell.com/hota/">http://www.security.honeywell.com/hota/</a>) to learn more about our open and integrated solutions.</p>  |  | <table border="1"> <tr><td>HEN081*4</td><td>8ch, 2 HDD, 8 PoE, 4K, H.265</td></tr> <tr><td>HEN161*4</td><td>16ch, 2 HDD, 16 PoE, 4K, H.265</td></tr> <tr><td>HEN321*4</td><td>32ch, 2 HDD, 16 PoE, 4K, H.265</td></tr> <tr><td>HEN162*4</td><td>16ch, 4 HDD, 16 PoE, 4K, H.265</td></tr> <tr><td>HEN322*4</td><td>32ch, 4 HDD, 16 PoE, 4K, H.265</td></tr> <tr><td>HEN642*4</td><td>64ch, 4 HDD, 16 PoE, 4K, H.265</td></tr> <tr><td>HEN163*4</td><td>16ch, 8 HDD, 16 PoE, 4K, H.265</td></tr> <tr><td>HEN323*4</td><td>32ch, 8 HDD, 16 PoE, 4K, H.265</td></tr> <tr><td>HEN643*4</td><td>64ch, 8 HDD, 16 PoE, 4K, H.265</td></tr> <tr><td>HEN041*3</td><td>H.265 4CH NVR, 4 POE Ports</td></tr> <tr><td>HEN081*3</td><td>H.265 8CH NVR, 8 POE Ports</td></tr> <tr><td>HEN161*3</td><td>H.265 16CH NVR, 16 POE Ports</td></tr> <tr><td>HEN041*3L</td><td>H.265 4CH NVR, Without POE Port</td></tr> <tr><td>HEN081*3L</td><td>H.265 8CH NVR, Without POE Port</td></tr> <tr><td>HEN161*3L</td><td>H.265 16CH NVR, Without POE Port</td></tr> <tr><td>HEN321*3L</td><td>H.265 4K 32CH NVR, Without POE Port</td></tr> </table> | HEN081*4 |                                      | 8ch, 2 HDD, 8 PoE, 4K, H.265 | HEN161*4 | 16ch, 2 HDD, 16 PoE, 4K, H.265 | HEN321*4 | 32ch, 2 HDD, 16 PoE, 4K, H.265 | HEN162*4 | 16ch, 4 HDD, 16 PoE, 4K, H.265 | HEN322*4 | 32ch, 4 HDD, 16 PoE, 4K, H.265 | HEN642*4 | 64ch, 4 HDD, 16 PoE, 4K, H.265 | HEN163*4 | 16ch, 8 HDD, 16 PoE, 4K, H.265 | HEN323*4 | 32ch, 8 HDD, 16 PoE, 4K, H.265 | HEN643*4 | 64ch, 8 HDD, 16 PoE, 4K, H.265 | HEN041*3 | H.265 4CH NVR, 4 POE Ports | HEN081*3 | H.265 8CH NVR, 8 POE Ports | HEN161*3 | H.265 16CH NVR, 16 POE Ports | HEN041*3L | H.265 4CH NVR, Without POE Port | HEN081*3L | H.265 8CH NVR, Without POE Port | HEN161*3L | H.265 16CH NVR, Without POE Port | HEN321*3L | H.265 4K 32CH NVR, Without POE Port |  |
| HEN081*4  | 8ch, 2 HDD, 8 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN161*4  | 16ch, 2 HDD, 16 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN321*4  | 32ch, 2 HDD, 16 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN162*4  | 16ch, 4 HDD, 16 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN322*4  | 32ch, 4 HDD, 16 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN642*4  | 64ch, 4 HDD, 16 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN163*4  | 16ch, 8 HDD, 16 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN323*4  | 32ch, 8 HDD, 16 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN643*4  | 64ch, 8 HDD, 16 PoE, 4K, H.265   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN041*3  | H.265 4CH NVR, 4 POE Ports   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN081*3  | H.265 8CH NVR, 8 POE Ports   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN161*3  | H.265 16CH NVR, 16 POE Ports   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN041*3L   | H.265 4CH NVR, Without POE Port  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN081*3L   | H.265 8CH NVR, Without POE Port  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN161*3L   | H.265 16CH NVR, Without POE Port   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HEN321*3L   | H.265 4K 32CH NVR, Without POE Port  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| RECOMMENDED MOUNTS  |  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZPMA  | Pole mount adapter for wall mount  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZCMA  | Corner mount adapter for wall mount  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZJB   | Junction box   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZBSPPA  | 1.5 Inch G Adapter   |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZGM   | Wall mount gooseneck bracket (Included with 1.5 Inch Camera with G Adapter)  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZCM1  | PTZ Ceiling mount  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZCM2  | Ceiling mount extension pole for HDZCM1, 220 mm  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZCM3  | Ceiling mount extension pole for HDZCM1, 420 mm  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| ORDERING  |  |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |
| HDZP304DI   | Network WDR PTZ Dome, 4MP Resolution, 30x Zoom, WDR, H.265/H.264, NTSC/PAL, 4 IR LEDs, IP66, PoE+, micro SD Card Compatible (Supports up to 128 GB cards, card not included) |  |          |                                      |                              |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                                |          |                            |          |                            |          |                              |           |                                 |           |                                 |           |                                  |           |                                     |  |

#### For more information

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