Honeywell is taking quality and reliability to the next level with the new equiP® line of fisheye IP cameras. The Honeywell outdoor TDN superior and ultra HD IR fisheye cameras offer incomparable picture clarity, an incredibly wide coverage area, hassle-free flexible system integration, and secure data transmission—and they install easily too!

**Superior Image Quality**
- Full HD 6 MP 25/30 fps image with a 1/1.8” 6 megapixel sensor, or Ultra HD 12 MP (4K) 25 fps image with a 1/1.7” 12 megapixel sensor
- Digital WDR (DWDR) ensures glare-free images
- True Day/Night provides vivid color images by day and clear black-and-white images at night using a removable IR cut filter
- Image dewarping makes the fisheye output easy to view and scan for intruders
- Embedded PTZ control within the fisheye video allows users to control the part of the 360° view to focus on
- Excellent low-light performance with 3D noise reduction, saving storage and bandwidth together with H.265 Profile codec

**Flexible Surveillance Solution**
- HFD6GR1: 1.7 mm, F2.0, fixed fisheye lens
- HFD8GR1: 1.98 mm, F2.8, fixed fisheye lens
- H.265, H.264 and MJPEG codec, triple stream support
- IR LEDs provide up to 25 ft (8 m) of illumination in dimly lit or nighttime scenes (depending on scene reflectance)
- Smart IR technology provides even distribution of IR
- Waterproof (IP67) and IK10 impact-resistant camera housing
- –22°F to 140°F (–30°C to 60°C) working temperature
- ONVIF Profile S and G compliant
- Security features include individual signed certificates and data encryption
- Cameras can be retrofitted on many existing NVR installations without requiring additional storage

**Onboard Video Storage**
- Supports up to 128 GB microSDHC (Class 10) card for local video storage when network is interrupted. Card not included.

**Easy to Install and Use**
- Built-in PoE (Power over Ethernet) eliminates separate power supply and associated wiring; 12 VDC inputs where PoE power is unavailable
- Remote configuration through web client or from the NVR
- Included accessories: security screw driver, mounting screws, mounting template, mount adapter, IR LED cover, and waterproof joint for network cable

**Market Opportunities**
These fully featured attractive cameras are perfect for outdoor installations that require excellent picture quality at minimal bandwidth while offering maximum protection against dust, dirt, and water. Boasting a sleek, modern design and offering the widest angle of view possible, the cameras are suited for a wide range of applications.

**FEATURES AND BENEFITS**
- 1/1.8” 6 MP or 1/1.7” 12 MP progressive scan imagers
- 16x digital zoom
- Digital WDR
- 25 ft (8 m) IR distance, depending on scene reflectance
- Wide horizontal angle of view at 185°
- Built-in cyber security hardware chipset
- Excellent low light performance with down to 0 lux BW (with IR LEDs on)
- Up to triple stream support
- Resolution:
  - 6 MP at 25/30 fps, or 12 MP (4K) at 25 fps
  - 1.7 mm, F2.0, or 1.98 mm F2.8
  - fixed fisheye lenses
- Onboard camera storage up to 128 GB microSD card (not included)
- Rugged outdoor housing with IP67 ingress protection rating and IK10 impact resistance rating
- ONVIF profile S and G compliant
- Global language support with 15 languages for all QIGs, Web GUI, and online help
- Compliant with UL2900-1, certified by UL Cyber Assurance Program (UL CAP)
The camera can be configured to automatically detect and respond to events such as motion in the scene, alarm inputs, network failure, and/or camera tampering. Automated responses include: sending a notification through email, FTP, and HTTP, sending a still image of the event through email and/or FTP, and recording a video clip of the event to a configured microSDHC card. Setup can be done through the web client.

**FEATURES CONTINUED**

**6 and 12 MP Indoor/Outdoor Fisheye IR IP Cameras**

- **360° Image Display Mode** (360° view in a panoramic layout)
- **Single Panorama Image Display Mode** (185° view)
- **Double Panorama Image Display Mode** (two 180° views in panoramic layout)
- **Two Vertical Panorama Images Display Mode**
- **Four EPTZ Region Images Display Mode**

**DEWARPING MODE**

- Original
- Panoramic
- Double Panoramic
- Original, Panoramic, Double Panoramic,
  Floor Installation Mode
  Ceiling Installation Mode
  Wall Installation Mode
  Ceiling Installation Mode

**FRAME RATE**

- Main Stream: 25/30 fps
- Sub Stream: 25/30 fps
- Third Stream: 1.3M, Up to 25/30 fps

**DEWRAPPING MODE**

- Original, Panoramic, Double Panoramic

**OPERATIONAL**

- **VIDEO COMPRESSION**: H.265/H.264/MJPEG
- **SCANNING SYSTEM**: Progressive
- **IMAGE SENSOR**: HFD8G1: 1/2.8” 6 MP CMOS
  HFD6G1: 1/3” 2 MP CMOS
- **NUMBER OF PIXELS (H × V)**
  HFD8G1: 2048 × 1536
  HFD6G1: 1280 x 960
- **MINIMUM ILLUMINATION**: 0.01 lux (color)/0.001 lux (B/W)
- **SNR**: 50 dB
- **S/N RATIO**: 50 dB
- **ELECTRONIC SHUTTER SPEED**: Auto, Manual, 1/3(4) – 1/100,000 s
- **LANGUAGES SUPPORTED**: Arabic, Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Turkish

**IP SPECIFICATIONS**

- **VIDEO COMPRESSION**: H.265/H.264/MJPEG
- **SCANNING SYSTEM**: Progressive
- **IMAGE SENSOR**: HFD8G1: 1/2.8” 6 MP CMOS
  HFD6G1: 1/3” 2 MP CMOS
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# 6 and 12 MP Indoor/Outdoor Fisheye IR IP Cameras

## RECOMMENDED ACCESSORIES

<table>
<thead>
<tr>
<th>SYSTEM INTEGRATION</th>
<th>HOUSING AND MOUNTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>HB4G-PM</td>
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<td>HB34G-CM</td>
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<td>HFG-WK</td>
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<td>HFG-PK</td>
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</table>

## SYSTEM INTEGRATION

- **MAXPRO® NVR FAMILY**
  - Entry to Enterprise Level Network Video Recorders (version 4.0 and greater)

- **MAXPRO® VMS FAMILY**
  - Entry to Enterprise Level Network Video VMS (version R410 and greater)

- **DVM**
  - DVM R600.1 SP1

- **HUS**
  - HUS 5.1

## MAXPRO® NVR FAMILY

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  - DVM R600.1 SP1

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## ORDERING

<table>
<thead>
<tr>
<th>HFD6GR1</th>
<th>Network TDN Superior HD IR Rugged Fisheye Camera, 1/1.8” CMOS, 6 MP, 1.7 mm Fixed Fisheye Lens, PoE, H.265</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFD8GR1</td>
<td>Network TDN Ultra HD IR Rugged Fisheye Camera, 1/1.7” CMOS, 12 MP, 1.98 mm Fixed Fisheye Lens, PoE, H.265</td>
</tr>
</tbody>
</table>

For more information

www.honeywell.com/security

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