The MIC Series 612 camera has been designed to offer an extremely reliable, robust, and high-quality surveillance solution for security applications that demand the very best performance. Precision engineered to exacting standards, the camera offers the most ruggedized dual optical/thermal image capture solution available on the market today. When powered by a MIC IP Power Supply, the MIC camera becomes an IP-enabled device with extra features such as Intelligent Video Analysis (IVA), and the ability to record video on a network-attached RAID iSCSI storage device or locally on a user-supplied SD or SDHC card (32 GB maximum). The optional “hybrid” operation provides video and control of the MIC camera over both analog (Bilinx over coax) and IP connections simultaneously. For more information, see the MIC Series IP Power Supply datasheet on the online Product Catalog at boschsecurity.com.

System overview

High-performance camera with simultaneous thermal/optical video output

Image control and quality are integral aspects of any PTZ camera, and the MIC612 delivers. A high-quality day/night camera core with 36x optical zoom lens and a full 12x digital zoom, and a high-performance, uncooled thermal imaging core sit side-by-side within the housing. Each MIC612 has two video outputs— one for the optical camera, and one that is user-switchable between the optical camera and the thermal imager. The optical camera provides 550 TVL of horizontal resolution for outstanding clarity and image detail, and incorporates Wide Dynamic Range (WDR) that dramatically improves the dynamic range by 128 times and results in clear image reproduction in extreme high-contrast environments. Features of AutoScaling (proportional zoom) and AutoPivot (automatically rotates and flips the camera) ensure optimal control. Day/night capabilities and outstanding sensitivity make the MIC612 an exceptional performer in all lighting conditions. In low light, the optical camera automatically switches from color to monochrome by...
removing the IR filter to boost sensitivity, while maintaining superior image quality. For operation in the darkest conditions, the SensUp control feature automatically reduces the shutter speed to as little as one second. This increases sensitivity by more than 50 times. In addition to low light applications, the optical camera is also an exceptional performer when viewing under a sodium vapor lamp (for example, a street lamp or tunnel lamp) which normally gives a yellowish tint to images. The camera automatically compensates and restores objects to their original color. The thermal imager has user-selectable color options including White Hot, Black Hot, and many others, and built-in sun protection that allows the camera to self-heal if pointed directly at the sun. Standard-resolution models include a user-selectable on-screen temperature display (spot meter) feature. These models allow users to set high or low thermal temperature limits and then to use the measured temperature value from the spot meter to trigger alarm functions based on those limits.

**Functions**

**Multi-protocol operation**
The MIC612 incorporates Bosch’s standard controller interface supporting familiar on-screen menus and multiple protocols, including Bosch “Biphase (OSRD),” “Bilinx,” and Pelco “P” and “D.” This makes it simple to integrate and use the camera within systems that already use Bosch AutoDome cameras and systems.

**High performance PTZ operations**
Brushless motor technology ensures ultra-reliable operation with full 360° continuous rotation pan for exceptional viewing capability. The camera supports 99 pre-positions and two styles of Guard Tours: Preset and Record/Playback. The preset tour has capability for up to 99 pre-positions with a configurable dwell time between pre-positions, and can be customized as to the order and frequency each preset is visited. The camera also provides support for two recorded tours, which have a combined duration of 15 minutes of movements. These are recorded macros of an operator’s movements, including pan, tilt, and zoom activities, and can be played back in a continuous manner.

**Superior privacy masking and Image Stabilization**
The MIC612 has 24 individual privacy masks, with up to eight displayed in the same scene. Unlike conventional privacy masks, these can be programmed with three, four, or even five corners each to cover more complex shapes. Each mask changes size and shape smoothly and quickly, ensuring that the covered object cannot be seen. Each mask can appear in black, white, or blurred. Blurred is useful when privacy is an issue, but determining the presence of motion is still required.

As PTZ cameras continue to increase their optical zoom capabilities, image stabilization becomes critical to eliminate movement caused by unstable camera mounts. A mere quarter-inch of movement of the camera mount can shift the field of view by more than 6 m (20 feet) when the camera is zoomed to a high value. This can render images unusable. Image stabilization algorithms in the optical camera reduce camera shake in both the vertical and horizontal axis, resulting in exceptional image clarity (pixel displacement up to +/- 10% for frequencies up to 10 Hz) without reducing camera sensitivity.

**Easy installation and servicing**
The MIC612 is compatible with all MIC Series brackets and control equipment for easy installation, integration, and operation. These brackets, as well as connection cables and power supply units for the
camera, are sold separately. The camera can be installed upright or inverted. No matter the installation position, the camera will operate faultlessly. Bosch’s Configuration Tool for Imaging Devices (CTFID) allows users to control the PTZ, change camera settings, and update firmware from remote locations without need for additional wiring. The camera has advanced built-in diagnostics to simplify service and minimize downtime. Using the On-screen Display (OSD), a technician can quickly and easily check critical parameters (such as internal temperature) to verify that the camera is functioning within acceptable operating limits.

**Integrated long-life silicone wiper**
Thanks to its integrated wiper, the MIC612 is able to capture the highest possible quality image regardless of the weather.

**Certifications and approvals**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingress Protection Rating/Standard</td>
<td>IP68, NEMA 6P</td>
</tr>
<tr>
<td>IK Code</td>
<td>IK10</td>
</tr>
</tbody>
</table>

**Installation/configuration notes**
The table below identifies the resolution and the thermal frame rate for the various model mixes of MIC612.

<table>
<thead>
<tr>
<th>Model</th>
<th>Resolution</th>
<th>Frame Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC612Ti-</td>
<td>Standard</td>
<td>7.5Hz (NTSC) 8.3Hz (PAL)</td>
</tr>
<tr>
<td>MIC612TF-</td>
<td>Standard</td>
<td>25Hz (PAL) 30Hz (NTSC)</td>
</tr>
<tr>
<td>MIC612HI-</td>
<td>High</td>
<td>7.5Hz (NTSC) 8.3Hz (PAL)</td>
</tr>
<tr>
<td>MIC612HF-</td>
<td>High</td>
<td>25Hz (PAL) 30Hz (NTSC)</td>
</tr>
</tbody>
</table>

**Notice**
Models of 25 Hz or 30 Hz require specific export licenses—one license per customer—arranged prior to the camera being built. MIC612TF- models require an export license from the U.S. Department of Commerce. MIC612HF- models require an export license from the U.S. Department of State. For more information, contact your local Bosch Security Systems Customer Service Center.

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**Technical specifications**

**Optical Camera Core, 36x Day/Night**

<table>
<thead>
<tr>
<th>Imager</th>
<th>1/4 in.-type EXview HAD CCD (progressive scan)</th>
</tr>
</thead>
</table>
| Resolution/Effective Picture Elements | PAL: Approximately 440,000; 752(H) x 582(V)  
NTSC: Approximately 380,000; 768(H) x 494(V) |
| Lens       | 36x Zoom (3.4 mm to 122.4 mm)  
F1.6 to F4.5 |
| Zoom Movement Speed | 4.0 seconds (optical Wide to optical TELE)  
6.2 seconds (optical wide to digital TELE) |
| Focus      | Automatic with manual override |
| Iris       | Automatic with manual override |
| Field of View (FOV) | 1.7º to 57.8º |
| Video Output | 1.0 Vp-p, 75 Ohm |
| Gain Control | Auto/Manual/Max.  
(-3 dB to +28 dB, 2 dB steps) |
| Aperture Correction | Horizontal and vertical |
| Digital Zoom | 12x |
| Horizontal Resolution | 550 TVL (NTSC, PAL) typical |

<table>
<thead>
<tr>
<th>Sensitivity¹</th>
<th>30 IRE</th>
<th>50 IRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day Mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SensUp Off</td>
<td>0.66 lux</td>
<td>1.4 lux</td>
</tr>
<tr>
<td>SensUp On (NTSC: 1/4s, 15X; PAL 1/3s, 16.7X)</td>
<td>0.04 lux</td>
<td>0.1 lux</td>
</tr>
<tr>
<td>Night Mode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SensUp Off</td>
<td>0.104 lux</td>
<td>0.209 lux</td>
</tr>
<tr>
<td>SensUp On (NTSC: 1/4s, 15X; PAL 1/3s, 16.7X)</td>
<td>0.0052 lux</td>
<td>0.0103 lux</td>
</tr>
<tr>
<td>Filter</td>
<td>Automatic IR cut filter</td>
<td></td>
</tr>
<tr>
<td>Electronic Shutter Speed</td>
<td>1/1 to 1/10,000 seconds (22 steps)</td>
<td></td>
</tr>
<tr>
<td>Wide Dynamic Range (WDR)</td>
<td>92 dB (50 dB with WDR Off)</td>
<td></td>
</tr>
<tr>
<td>Signal-to-Noise Ratio (SNR)</td>
<td>&gt;50 dB</td>
<td></td>
</tr>
<tr>
<td>White Balance</td>
<td>2000 K to 10,000 K</td>
<td></td>
</tr>
</tbody>
</table>

¹ Unless otherwise stated, test conditions are: F1.6; shutter = NTSC 1/60s, PAL 1/50s; max AGC

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3 | MIC Series 612 Thermal Camera
### Thermal Camera Core, Standard Resolution (35 mm)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Imager</strong></td>
<td>Focal Plane Array (FPA), un-cooled Vanadium Oxide microbolometer with user-selectable on-screen temperature display (spot meter) and alarm - 7.5 Hz NTSC, 8.3 Hz PAL - 30 Hz NTSC, 25 Hz PAL; US export license required.</td>
</tr>
<tr>
<td><strong>Resolution/Effective Picture Elements</strong></td>
<td>PAL: 320 x 256 NTSC: 320 x 240</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>35 mm (F1.2)</td>
</tr>
<tr>
<td><strong>Field of View (FOV)</strong></td>
<td>13° x 10°</td>
</tr>
<tr>
<td><strong>Spectral Response</strong></td>
<td>7.5 to 13.5 μm</td>
</tr>
<tr>
<td><strong>Thermal Sensitivity (NEDT)</strong></td>
<td>&lt;50mk f/1.0</td>
</tr>
<tr>
<td><strong>Digital Zoom</strong></td>
<td>2x, 4x</td>
</tr>
<tr>
<td><strong>Focus</strong></td>
<td>Factory-set at infinity focus</td>
</tr>
<tr>
<td><strong>Performance Range</strong></td>
<td><strong>Human 1.8 x 0.5 m (5.9 x 1.6 ft)</strong></td>
</tr>
<tr>
<td><strong>Detection</strong></td>
<td>800 m (2625 ft)</td>
</tr>
<tr>
<td><strong>Recognition</strong></td>
<td>200 m (656 ft)</td>
</tr>
<tr>
<td><strong>Identification</strong></td>
<td>105 m (344 ft)</td>
</tr>
<tr>
<td><strong>User-selectable AGC Modes</strong></td>
<td>Outdoor (default mode)</td>
</tr>
<tr>
<td><strong>User-selectable Thermal Modes (Color Options)</strong></td>
<td>White Hot (default mode)</td>
</tr>
<tr>
<td></td>
<td>Fusion</td>
</tr>
<tr>
<td></td>
<td>Globow</td>
</tr>
<tr>
<td></td>
<td>Sepia</td>
</tr>
<tr>
<td></td>
<td>Color 1</td>
</tr>
<tr>
<td></td>
<td>Color 2</td>
</tr>
<tr>
<td></td>
<td>IceFire</td>
</tr>
<tr>
<td></td>
<td>Rain</td>
</tr>
<tr>
<td></td>
<td>IceFire</td>
</tr>
</tbody>
</table>

### Thermal Camera Core, High Resolution (50 mm)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Imager</strong></td>
<td>Focal Plane Array (FPA), un-cooled Vanadium Oxide microbolometer - 7.5 Hz NTSC, 8.3 Hz PAL - 30 Hz NTSC, 25 Hz PAL; US export license required.</td>
</tr>
<tr>
<td><strong>Resolution/Effective Picture Elements</strong></td>
<td>PAL: 640 x 512 NTSC: 640 x 480</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>50 mm (F1.2)</td>
</tr>
<tr>
<td><strong>Field of View (FOV)</strong></td>
<td>12.4° x 9.9°</td>
</tr>
<tr>
<td><strong>Spectral Response</strong></td>
<td>7.5 to 13.5 μm</td>
</tr>
<tr>
<td><strong>Thermal Sensitivity (NEDT)</strong></td>
<td>&lt;50mk f/1.0</td>
</tr>
</tbody>
</table>

### Mechanical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Drive Unit</strong></td>
<td>Brushless integral pan/tilt motor drive</td>
</tr>
<tr>
<td><strong>Pan Range</strong></td>
<td>360° continuous rotation</td>
</tr>
<tr>
<td><strong>Tilt Angle</strong></td>
<td>180°</td>
</tr>
<tr>
<td><strong>Tilt Range</strong></td>
<td>-58° to +90°</td>
</tr>
<tr>
<td><strong>Variable Speed</strong></td>
<td>Pan: 0.2° to 72° per second (variable) Tilt: 0.2° to 90° per second (variable)</td>
</tr>
<tr>
<td><strong>Pre-Position Speed</strong></td>
<td>120°/second</td>
</tr>
<tr>
<td><strong>Preset Accuracy</strong></td>
<td>±0.30° (typical)</td>
</tr>
<tr>
<td><strong>Proportional Pan / Tilt to Zoom</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Audible Noise</strong></td>
<td>&lt;66dB</td>
</tr>
</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage (dual source)</strong></td>
<td>18 VAC, ±10%, 50/60 Hz</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>Camera: 20.5 VA, Heater: 8.5 VA, Total: 29 VA</td>
</tr>
<tr>
<td><strong>Input Current</strong></td>
<td>Camera: 1.1 A, Heater: 0.5 A</td>
</tr>
</tbody>
</table>

### Miscellaneous

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sectors / Titling</strong></td>
<td>16 independent sectors, each with 20-character title</td>
</tr>
<tr>
<td><strong>Privacy Masking</strong></td>
<td>24 individually-configurable privacy masks</td>
</tr>
</tbody>
</table>
### Prepositions
99, each with 20-character title

### Guard Tours
- **Recorded Tours** - two (2), total duration 15 minutes
- **Preset Tours** – one (1), consisting of up to 99 scenes, consecutively, and one (1) customized up to 99 scenes

### Camera Setup / Control
- **RS-485, Bilinx (coax)**

### Communications Protocols
- Bosch (Bilinx, OSRD), Pelco D/P
- Bosch OSRD requires use of converter device (MIC-BP3 or MIC-BP4, sold separately).
- (Bicorn/Bilinx support on visible channel only.)

### Washer Drive
- Optional washer kit (MIC-WKT Kit used with the appropriate HAC-WAS washer pump)

### Supported Languages
- English, Czech*, Dutch, French, German, Italian, Portuguese, Russian*, Spanish
- * Available with separate language upload

### User Connections
- **Power**
  - Via composite cable (sold separately)
- **Control Data**
  - RS-485 (Twisted pair; Simplex, half and full duplex operation via composite cable)
  - Biphase ±
    - (Optional; requires MIC Biphase module with external power supply.)
- **Video**
  - Dual coaxial via composite cable (sold separately)
  - (Optical and optical/thermal cameras selectable.)
- **Alarm Inputs**
  - One (1) tamper input (eight (8) additional inputs possible with optional alarm card)
- **Relay Outputs**
  - Two (2) relay outputs and washer relay output only with optional alarm card
- **Alarm Communication**
  - Tamper switch (ground connection)
- **Software**
  - CTFID software allows direct connection to a USB-equipped PC via the MIC Series PSU over a full duplex to provide access to all camera functions and useful diagnostic tools.

### Environmental
- **Ingress Protection Rating/Standard**
  - IP68/NEMA 6P
- **Operating Temperature (with heater)**
  - -40 °C to +60 °C (-40 °F to +140 °F)
- **Cold Start-up Temperature**
  - -40 °C (-40 °F)
  - (Requires 30-minute warm-up prior to PTZ operations.)
- **Storage Temperature**
  - -40 °C to +70 °C (-40 °F to +158 °F)
- **Humidity**
  - 0-100%
- **Wind Load (Estimated)**
  - 240 kph (150 mph) (sustained)
  - Camera: 517 N (116 lbf)
  - Wall Mount: 130 N (29 lbf)
  - Effective Projected Area (EPA):

### Construction
- **Dimensions (W x H x D)**
  - 267 mm x 452 mm x 201 mm
  - (10.5 in. x 17.8 in. x 7.9 in.)
- **Weight**
  - 10.66 kg (23.50 lb)
  - (including 4-in. pitch circle diameter (PCD) base)
- **Viewing Window**
  - Tempered flat glass (optical) and germanium covering (thermal)
- **Construction Material**
  - Machined aluminum
- **Standard Colors**
  - Black (RAL9005), White (RAL9010);
  - Grey (RAL9006, available in specific regions)
- **Standard Finish**
  - Alodine 5200 surface treatment with powder coat paint, sand finish
- **Window Wiper**
  - Standard, long-life silicone wiper
- **Heater**
  - Standard
- **Sunshield**
  - Optional; sold separately

### Dimensional Drawings

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**Camera:** 0.192 m² / 2.06 ft²

**Wall Mount:** 0.0483 m² / 0.52 ft²

**Vibration**
- IEC 60068-2-6, Test Fc: Vibration (operational), 10m/s² (1.0g)

**Shock**
- IEC 60068-2-27, Test Ea: Shock, 30g

**IK Code**
- IK10
Ordering information

**MIC-612TIALB36N**
PTZ, dual thermal/optical camera, NTSC, Black, 36x optical zoom, 320x240 thermal picture elements, 7.5 Hz thermal imager frame rate, 35 mm thermal lens. Order number MIC-612TIALB36N

**MIC-612TIALW36N**
PTZ, dual thermal/optical camera, NTSC, White, 36x optical zoom, 320x240 thermal picture elements, 7.5 Hz thermal imager frame rate, 35 mm thermal lens. Order number MIC-612TIALW36N

**MIC-612TIALB36P**
PTZ, dual thermal/optical camera, PAL, Black, 36x optical zoom, 320x256 thermal picture elements, 8.3 Hz thermal imager frame rate, 35 mm thermal lens. Order number MIC-612TIALB36P

**MIC-612TIALW36P**
PTZ, dual thermal/optical camera, PAL, White, 36x optical zoom, 320x256 thermal picture elements, 8.3 Hz thermal imager frame rate, 35 mm thermal lens. Order number MIC-612TIALW36P

**MIC-612TIALG36P**
PTZ, dual thermal/optical camera, PAL, Grey, 36x optical zoom, 320x256 thermal picture elements, 8.3 Hz thermal imager frame rate, 35 mm thermal lens. Order number MIC-612TIALG36P

**MIC-612TFALB36N**
PTZ, dual thermal/optical camera, NTSC, Black, 36x optical zoom, 320x240 thermal picture elements, 30 Hz thermal imager frame rate, 35 mm thermal lens. Requires U.S. Department of Commerce export license—one license per customer--arranged prior to camera being built. Order number MIC-612TFALB36N

**MIC-612TFALB36P**
PTZ, dual thermal/optical camera, PAL, Black, 36x optical zoom, 320x256 thermal picture elements, 25 Hz thermal imager frame rate, 35 mm thermal lens. Requires U.S. Department of Commerce export license—one license per customer--arranged prior to camera being built. Order number MIC-612TFALB36P

**MIC-612TFALW36N**
PTZ, dual thermal/optical camera, NTSC, White, 36x optical zoom, 320x256 thermal picture elements, 25 Hz thermal imager frame rate, 35 mm thermal lens. Requires U.S. Department of Commerce export license—one license per customer--arranged prior to camera being built. Order number MIC-612TFALW36N

**MIC-612TFALW36P**
PTZ, dual thermal/optical camera, PAL, White, 36x optical zoom, 320x256 thermal picture elements, 25 Hz thermal imager frame rate, 35 mm thermal lens. Requires U.S. Department of Commerce export license—one license per customer--arranged prior to camera being built. Order number MIC-612TFALW36P

**MIC-612TFALG36P**
PTZ, dual thermal/optical camera, PAL, Grey, 36x optical zoom, 320x256 thermal picture elements, 25 Hz thermal imager frame rate, 35 mm thermal lens. Requires U.S. Department of Commerce export license—one license per customer--arranged prior to camera being built. Order number MIC-612TFALG36P

**MIC-612HIALB36N**
PTZ, dual thermal/optical camera, NTSC, Black, 36x optical zoom, 640x480 thermal picture elements, 7.5 Hz thermal imager frame rate, 50 mm thermal lens. Order number MIC-612HIALB36N

**MIC-612HIALB36P**
PTZ, dual thermal/optical camera, PAL, Black, 36x optical zoom, 640x512 thermal picture elements, 8.3 Hz thermal imager frame rate, 50 mm thermal lens. Order number MIC-612HIALB36P

**MIC-612HIALB36N**
PTZ, dual thermal/optical camera, NTSC, Black, 36x optical zoom, 640x480 thermal picture elements, 30 Hz thermal imager frame rate, 50 mm thermal lens. Requires an export license—one license per customer--from the U.S. Department of State prior to camera being built. Order number MIC-612HIALB36N

**MIC-612HIALB36P**
PTZ, dual thermal/optical camera, PAL, Black, 36x optical zoom, 640x512 thermal picture elements, 25 Hz thermal imager frame rate, 50 mm thermal lens. Requires an export license—one license per customer--from the U.S. Department of State prior to camera being built. Order number MIC-612HIALB36P

**MIC-612HFALB36N**
PTZ, dual thermal/optical camera, NTSC, Black, 36x optical zoom, 640x480 thermal picture elements, 30 Hz thermal imager frame rate, 50 mm thermal lens. Requires an export license—one license per customer--from the U.S. Department of State prior to camera being built. Order number MIC-612HFALB36N

**MIC-612HFALB36P**
PTZ, dual thermal/optical camera, PAL, Black, 36x optical zoom, 640x512 thermal picture elements, 25 Hz thermal imager frame rate, 50 mm thermal lens. Requires an export license—one license per customer--from the U.S. Department of State prior to camera being built. Order number MIC-612HFALB36P
Accessories

**MIC Thermal Cable 2M**
2 meter (6.56 ft) composite cable with plug for power, data and video for MIC Series thermal cameras
Order number **MIC-THERCBL-2M**

**MIC Thermal Cable 10M**
10 meter (32.81 ft) composite cable with plug for power, data and video for MIC Series thermal cameras
Order number **MIC-THERCBL-10M**

**MIC Thermal Cable 20M**
20 meter (62.62 ft) composite cable with plug for power, data and video for MIC Series thermal cameras
Order number **MIC-THERCBL-20M**

**MIC Thermal Cable 25M**
25 meter (82.02 ft) composite cable with plug for power, data and video for MIC Series thermal cameras
Order number **MIC-THERCBL-25M**

**MIC-24PSU-2** MIC Power Supply Unit, 24VAC, 50/60 Hz
24 VAC, 50/60 Hz power supply with two video outputs for MIC Series cameras.
Order number **MIC-24PSU-2**

**MIC-115PSU-2** MIC Power Supply Unit, 120VAC, 50/60 Hz
115 VAC, 50/60 Hz power supply with two video outputs for MIC Series cameras.
Order number **MIC-115PSU-2**

**MIC-240PSU-2** MIC Power Supply Unit, 230 VAC, 50/60 Hz
230 VAC, 50/60 Hz power supply with two video outputs for MIC Series cameras.
Order number **MIC-240PSU-2**

**MIC IP Power Supply 24 VAC**
24 VAC, 50/60 Hz, IP-enabled power supply for MIC Series cameras
Order number **MIC-IP-PS-24**

**MIC IP Power Supply 115 VAC**
115 VAC, 50/60 Hz, IP-enabled power supply for MIC Series cameras
Order number **MIC-IP-PS-115**

**MIC IP Power Supply 230 VAC**
230 VAC, 50/60 Hz, IP-enabled power supply for MIC Series cameras
Order number **MIC-IP-PS-230**

**MIC-DCA-BD** Deep Conduit Adapter, Black
Deep conduit adapter for 4 in. PCD base, black sand finish (RAL 9005)
Order number **MIC-DCA-BD**

**MIC-DCA-GD Deep Conduit Adapter, Grey**
Deep conduit adapter for 4 in. PCD base, grey sand finish (RAL 9006)
Order number **MIC-DCA-GD**

**MIC-SCA-BD** Shallow Conduit Adapter, Black
Shallow conduit adapter for a MIC-WMB, a MIC-PMB, or a MIC-SPR, black sand finish (RAL9005)
Order number **MIC-SCA-BD**

**MIC-SCA-WD** Shallow Conduit Adapter, White
Shallow conduit adapter for a MIC-WMB, a MIC-PMB, or a MIC-SPR mount, white sand finish (RAL9010)
Order number **MIC-SCA-WD**

**MIC-SCA-GD** Shallow Conduit Adapter, Grey
Shallow conduit adapter for a MIC-WMB, a MIC-PMB, or a MIC-SPR, grey sand finish (RAL 9006)
Order number **MIC-SCA-GD**

**MIC-SPR-BD** Spreader Plate, Black
Aluminum spreader plate suitable for brickwork surface mounting, black sand finish (RAL9005)
Order number **MIC-SPR-BD**

**MIC-SPR-WD** Spreader Plate, White
Aluminum spreader plate suitable for brickwork surface mounting, white sand finish (RAL9010)
Order number **MIC-SPR-WD**

**MIC-SPR-GD** Spreader Plate, Grey
Aluminum spreader plate suitable for brickwork surface mounting, grey sand finish (RAL 9006)
Order number **MIC-SPR-GD**

**MIC-CMB-BD** Corner Mount Bracket, Black
Corner mount bracket, black sand finish (RAL9005)
Order number **MIC-CMB-BD**

**MIC-CMB-WD** Corner Mount Bracket, White
Corner mount bracket, white sand finish (RAL9010)
Order number **MIC-CMB-WD**

**MIC-CMB-GD** Corner Mount Bracket, Grey
Corner mount bracket, grey sand finish (RAL 9006)
Order number **MIC-CMB-GD**

**MIC-WMB-BD** Wall Mount Bracket, Black
Wall mount bracket, black sand finish (RAL9005)
Order number **MIC-WMB-BD**

**MIC-WMB-WD** Wall Mount Bracket, White
Wall mount bracket, white sand finish (RAL9010)
Order number **MIC-WMB-WD**

**MIC-WMB-GD** Wall Mount Bracket, Grey
Wall mount bracket, grey sand finish (RAL9006)
Order number **MIC-WMB-GD**
MIC-WMBULTRA Wall Mount Bracket, Light Stone
RAL9006
Wall Mount Bracket, Light Stone (RAL9006) for MIC412ULTRA and MIC-612ALULTRA.
Order number MICWMBULTRA

MIC-PMB Pole Mount Bracket
Pole mount bracket (includes 2 x 455 mm stainless steel banding straps for pole diameters 75 to 145 mm)
Order number MIC-PMB

MIC-BP3 Biphase Converter
Biphase converter for IR power supplies or non-IR power supplies without a free expansion slot available
Order number MIC-BP3

MIC-BP4 Biphase Converter
Biphase converter for non-IR versions of MIC series power supply units
Order number MIC-BP4

MIC-516ALM Alarm Card
8 Input alarm card for MIC-516KBD
Order number MIC-516ALM

MIC-ALM Alarm and Washer Pump Drive Card
8 Input alarm and washer pump drive card for PSU (Not for IR PSU)
Order number MIC-ALM

MIC-WKT Washer Kit
Washer kit for non infrared MIC models (includes washer pump drive card, washer nozzle and mounting brackets for wall and 4 in. PCD base)
Order number MIC-WKT

HAC-WAS05-20 24 VAC Washer
24 VAC washer inst. 4M 25L
Order number HAC-WAS05-20

HAC-WAS30-50 230 VAC Washer
230 VAC washer inst. 30M 25L
Order number HAC-WAS30-50

MIC-412-RWAC Replacement Wiper Assembly for MIC412 and MIC612, Silver
Replacement silicone wiper assembly (single wiper blade and associated hardware) for MIC412 and MIC612 cameras; silver.
Order number MIC-412-RWAC

MIC-412-RWAB Replacement Wiper Assembly for MIC412 and MIC612, Black
Replacement silicone wiper assembly (single wiper blade and associated hardware) for MIC412 and MIC612 cameras; black.
Order number MIC-412-RWAB

MIC412SUNSHIELD Sunshield Kit for MIC412, White
Sunshield kit for the MIC412 cameras; white.
Order number MIC412SUNSHIELD

VG4-SFPSCKT Fiber Optic Ethernet Media Converter Kit
Ethernet media converter video transmitter/data receiver fiber optic kit
Order number VG4-SFPSCKT

Software Options
VP-CFGSFT Configuration Tool for Imaging Devices
Camera configuration software for use with Bilinx cameras
Order number VP-CFGSFT