Full HD 1080/60p, 50p
High Sensitivity Color Camera Module

Key Features

• 1/2.8 type Progressive Scan MOS sensor
• High sensitivity
  Minimum illumination:
  0.4 lx (Color), 0.03 lx (B/W) at F1.6 (50 IRE, 1/30 sec)
• Autofocus Powerful Zoom with Optical zoom lens Lineup
  GP-MH330 : Optical zoom 30x, Digital zoom 20x
  GP-MH326 : Optical zoom 26x, Digital zoom 20x
  GP-MH322 : Optical zoom 22x, Digital zoom 20x
• Various Video Outputs and Formats
  Digital (LVDS):
  1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p
  1080/50p, 1080/50i, 1080/25p, 720/50p
  Component (Y/Pb/Pr):
  1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p, 480/59.94p
  1080/50p, 1080/50i, 1080/25p, 720/50p, 576/50p
  Composite (NTSC, PAL)
• Dimensions: 50.0 mm x 60.0 mm x 94.0 mm
  (1-15/16 inches x 2-3/8 inches x 3-11/16 inches)
• Operating Temperature: -10 °C to 60 °C (14 °F to 140 °F)

• Dehazing technology allows the foggy or hazy images to be clear and sharp.
• Super Dynamic technology provides 128x wide dynamic range to cover both dark areas and bright areas.
• Various Camera Function
  - Day/Night function
  - Motion Detection (adjustable sensitivity, motion zoom)
  - Privacy Mask (Up to 32 zone, 1 screen max 8 masks)
  - Image Stabilizer
  - Auto Pursuit
  - Chroma/Pedestal Level adjustment
  - AE response (Up to 10 minutes)
  - Mirror/Flip Image Effect
  - Image Freeze
  - Customizable OSD etc.
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>GP-MH330</th>
<th>GP-MH326</th>
<th>GP-MH322</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Camera</strong></td>
<td></td>
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<tr>
<td>Image Sensor</td>
<td>1/2.8 type MOS</td>
<td></td>
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<tr>
<td>Effective Pixels</td>
<td>2 Megapixels</td>
<td></td>
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<tr>
<td>Scanning Mode</td>
<td>Progressive Scan</td>
<td></td>
<td></td>
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<tr>
<td><strong>Minimum Illumination</strong></td>
<td>Color: 0.4 lx (F1.6, 1/30 sec, 50IRE, Gain:High)</td>
<td></td>
<td></td>
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<tr>
<td>(approx.)</td>
<td>B/W: 0.03 lx (F1.6, 1/30 sec, 50IRE, Gain:High)</td>
<td></td>
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<tr>
<td><strong>Lens Focal Length</strong></td>
<td>5-4.3 mm to 120.9 mm</td>
<td>F1.6 to F4.7</td>
<td>5-4.3 mm to 111.8 mm</td>
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<tr>
<td><strong>Zoom Ratio</strong></td>
<td>38x Optical zoom</td>
<td></td>
<td>28x Optical zoom</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>DC12 V : 4.0 W (5.4 W, motor active)</td>
<td>DC9 V : 3.9 W (5.4 W, motor active)</td>
<td>DC6 V : 3.8 W (5.8 W, motor active)</td>
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<tr>
<td><strong>Communication</strong></td>
<td>UART (CMOS 5 V)</td>
<td></td>
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<tr>
<td><strong>Interface</strong></td>
<td>Digital (LVDS)</td>
<td></td>
<td></td>
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<tr>
<td>Video S/N Ratio</td>
<td>60/59.94p, 1080/59.94p, 1080/29.97p, 520/59.94p, 720/59.94p</td>
<td>1080/59.94p, 1080/29.97p, 520/59.94p, 720/59.94p</td>
<td>1080/59.94p, 1080/29.97p, 520/59.94p, 720/59.94p, 480/59.94p</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>6-12 V DC (Recommendation : DC9 V)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>Width: 50.0 mm, Height: 60.0 mm, Length: 94.0 mm</td>
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<tr>
<td><strong>Weight</strong></td>
<td>Approx. 290 g (0.64 lbs.)</td>
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</tbody>
</table>

### Appearance

#### Front
- 13-M2 screw lap
- Depth of 2 mm or less

#### Rear
- 13-M2 screw lap
- Depth of 2 mm or less

#### Top
- 5-M2 screw lap
- Depth of 2 mm or less

#### Right
- 5-M2 screw lap
- Depth of 2 mm or less

#### Left
- 5-M2 screw lap
- Depth of 2 mm or less

#### Bottom
- 5-M2 screw lap
- Depth of 2 mm or less

### Part Names and Functions

| Lens | [CN402] FFC Connector | [CN403] Thin-line Coaxial Connector |

### Notes
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.
- These products may be subject to export control regulations.

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