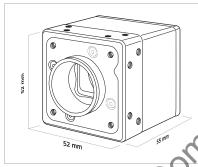


# HXG40 Facts and Data















Baumer Optronic GmbH Badstrasse 30 DE-01454 Radeberg, Germany Phone +49 (0)3528 4386 0 Fax +49 (0)3528 4386 86 sales@baumeroptronic.com www.baumer.com/cameras

### Digital Monochrome Matrix Camera, 4 Megapixel, Dual GigE

#### **Sensor Information**

| Model Name        | CMOSIS CMV-4000          |
|-------------------|--------------------------|
| Туре              | 1" progressive scan CMOS |
| Native Resolution | 2048 × 2048 pixels       |
| Exposure Time     | 20 μsec 1 sec            |

#### **Acquisition Formats**

| Image Formats | Full Frame                  | 2048 × 2048 pixels          | max. | 56 fps |
|---------------|-----------------------------|-----------------------------|------|--------|
| Pixel Formats | Mono8, Mono10, Mono12       | 2                           |      |        |
| Partial Scan  | True Partial Scan, Region o | of Interest (ROI) arbitrary |      |        |

#### Image Pre-processing

| Analog Controls | Gain (0 12 dB), Offset (0 255 LSB) |
|-----------------|------------------------------------|
| Color Modes     | Mono                               |

#### **Camera Features**

| Internal Buffer |    | 256 MBytes (max. 60 images)                                  |
|-----------------|----|--|
| Synchronization | -\ | Free running, Trigger  |
| Trigger Sources | 0  | Hardware, Software, Action Command                           |
| Trigger Delay   | 8  | 0 2 sec, Tracking and buffering of up to 512 trigger signals |
| Digital I/Os    | 0, | 3 input lines (with Debouncer), 3 output lines               |

## Interfaces and Connectors

| Data Interface    | Dual GigE, Transfer Rate 2000 Mbit/sec<br>Connector: 8P8CModular Jack (RJ45), screw lock type |
|-------------------|---|
| Process Interface | M8 / 8 pins   |
| Power Interface   | M8 / 3 pins   |

#### **Mechanical Data**

| Housing    | Aluminum, IP40               |
|------------|------------------------------|
| Lens Mount | C-Mount / F-Mount            |
| Dimensions | 52 x 52 x 55 mm <sup>3</sup> |
| Weight     | 210 g (C-Mount)              |

#### **Electrical Data**

| Power Supply      | 20 30 V DC                                    |
|-------------------|---|
| Power Consumption | approx. 8 Watt (with camera factory settings) |

#### **Environmental Data**

| Operating Temperature | +5 °C +50 °C (+41 °F +122 °F) |
|-----------------------|-------------------------------|
| Humidity              | 10% 90% non condensing        |