# *VisiLine®* IP

## Industrial cameras for robotics

# Fully protected against harsh environmental conditions.

*VisiLine*® IP cameras are especially designed for applications in the field of robotics. They are up to the demanding industry requirements such as long-term stable precision in image acquisition, high integration flexibility and absolute reliability in operation.

The camera design with IP 65/67 protection tolerates shocks and vibration and withstands harsh environments. Standardized interfaces allow for simple and cost-efficient implementation in robotic systems.

### Precise positioning
Centered optical axis and stable sensor position

### IP protective housing
IP 65/67 protection and a mere 220 g in weight

### Flexible integration
Square housing with M3 mount on all sides

### Easy adaptation
Modular IP lens protection

### Reliable in operation
Opto-decoupled inputs and outputs with automation voltage levels

### Cost-efficient single-cable solution
IP 67 Ethernet cable for robotics with PoE up to 100 m in length

## *VisiLine*® IP

- Resolutions from VGA to 4 megapixel
- Standard M12 connector
- Voltage supply 12 V, 24 V or PoE
- HDR, Multi I/O, Process interface
- Vibration 10 g, Shocks 100 g

GigE VISION

GEN‹i›CAM

# More than just cameras:
# From the planning stage to implementation.

## Conception

**Absolute planning flexibility – whatever the application.**
Different CCD and CMOS sensor resolutions in square housing designs, all with the same centered optical axis

## Development

**Prepared for the future by compliance to standards.**
The GenICam and GigE Vision® compliant cameras feature standardized connectors with x-encoding for quick integration

## Commissioning

**Easy installation and matching accessories.**
Voltage supply 12/24 V or as single-cable solution with PoE, GigE Switch or PCIe interface card with PoE, robotics Ethernet cable and modular IP lens protection

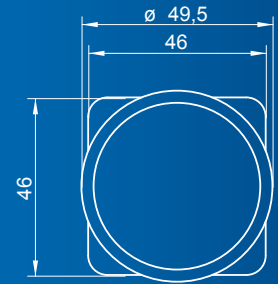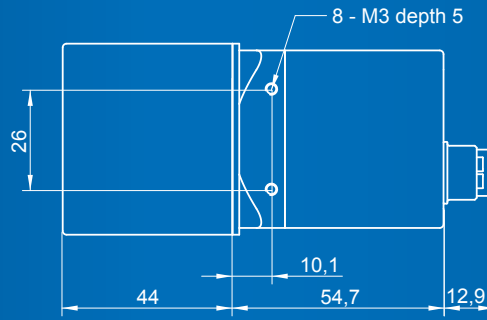## Operation

**Precision and repeat accuracy in operation.**
Absolutely reliable positioning by stable sensor position and high tolerance to shocks and vibrations

## Service & Availability

**Long-term availability and first-class service.**
Short delivery time, high durability and convenient exchange since sensor position, flange focal length of C-mount and image quality are adjusted by factory default

# Model overview *VisiLine*® IP.

**ø 49,5**
**46**

**8 - M3 depth 5**

26

46

44   10,1   54,7   12,9

| Models | | Sensor Type | | Sensor | Resolution [px] | Pixel Size [µm] | Full Frames [fps] |
|---|---|---|---|---|---|---|---|
| Mono | Color | | | | | | |
| VLG-02M.I | VLG-02C.I | 1/4" | CCD | Sony ICX618 | 656 × 490 | 5.60 × 5.6 | 160 |
| VLG-12M.I | VLG-12C.I | 1/3" | CCD | Sony ICX445 | 1288 × 960 | 3.75 × 3.75 | 42 |
| VLG-20M.I | VLG-20C.I | 1/1.8" | CCD | Sony ICX274 | 1624 × 1228 | 4.40 × 4.4 | 27 |
| VLG-22M.I | VLG-22C.I | 2/3" | CMOS | CMOSIS CMV2000 | 2040 × 1084 | 5.50 × 5.5 | 55 |
| VLG-23M.I | VLG-23C.I | 1/1.2" | CMOS | Sony IMX174 | 1920 × 1200 | 5.86 × 5.86 | 53 |
| VLG-40M.I | VLG-40C.I | 1" | CMOS | CMOSIS CMV4000 | 2040 × 2044 | 5.50 × 5.5 | 29 |

## Accessories

Lens protection (extension)
Length: 6 mm, 12 mm

GigE Flex cable M12 (CAT6),
Length: 5 m, 10 m, 15 m, 20 m

GigE Switch with PoE,
6 Ports

GigE PCIe Interface card
with PoE, 2 Ports

For more information about *VisiLine*® IP cameras go to
www.baumer.com/VisiLine-IP

## Baumer
### Passion for Sensors

Represented by: