

# 4MP BSI CameraLink Camera

**INDIGO**  
IMAGING



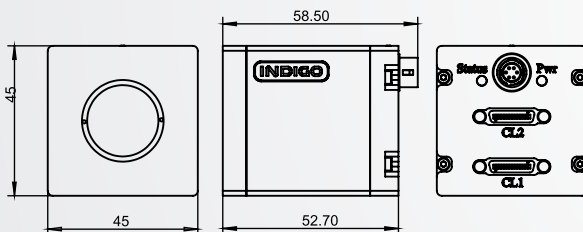
## Applications

Life science   Vehicle monitoring  
Field shooting   Machine vision

## Advantages

1.2" Back-thinned sCMOS  
QE up to 95%@560nm  
Very low readout noise: 1.5e-  
2048 x 2048 Resolution  
High dynamic range up to 90dB  
CameraLink High speed output

## Dimensions



## Specification

|                       |                                      |
|-----------------------|--------------------------------------|
| Product model         | IDG-400B-M-R-CL                      |
| Sensor type           | BSI CMOS                             |
| Resolution            | 2048x2048                            |
| Sensor size           | 1.2"                                 |
| Color                 | Monochrome                           |
| Shutter type          | Rolling Shutter                      |
| Pixel size            | 6.5μm x 6.5μm                        |
| Quantum efficiency    | 95%@560nm                            |
| Readout noise         | 1.5e-                                |
| Full well capacity    | 50ke-                                |
| Dynamic range         | 90dB                                 |
| Frame rate            | 46fps@12bit                          |
| Bit depth             | 12bit                                |
| Analog gain           | x1.5~ x10.5                          |
| Exposure model        | Manual, Trigger                      |
| Exposure time         | 0.02ms~500ms                         |
| Image processing      | ROI, Binning, Flip                   |
| External trigger mode | Optical isolation trigger input      |
| Signal output         | Optical isolation synchronous output |
| Optical interface     | C interface                          |
| Data interface        | Camera Link                          |
| Trigger interface     | Hirose, HR10A-7R-6PB                 |
| Power supply          | 12V                                  |
| Power consumption     | <2W                                  |
| Size                  | 180g, 45mm x 45mm x 60mm             |
| Operating temperature | 0°C~50°C                             |
| Storage temperature   | 0°C~70°C                             |



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