



# TAURUS

## Large Area Scan Camera

### TS31MSGV-6M/C

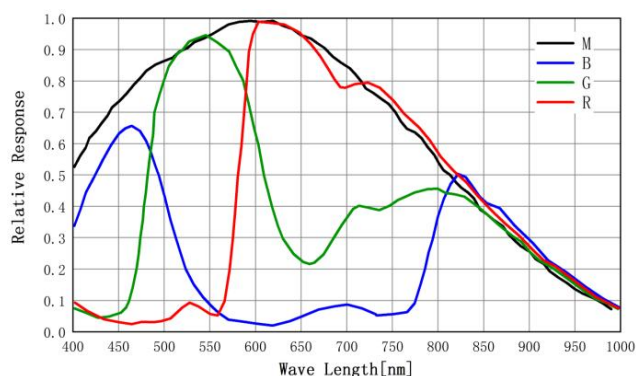
#### Features

- ◎ Global Shutter CMOS
- ◎ 6464 \* 4852 pixels, 3.45μm \* 3.45μm
- ◎ 4fps(6fps with SAccel™)
- ◎ High sensitivity and low noise
- ◎ ROI / Binning / LUT / Automatic White Balance
- ◎ Analog Gain / Digital Gain / Offset Control
- ◎ Minimum exposure time 2μs
- ◎ Scanning direction configurable
- ◎ Temperature monitor
- ◎ GigE Vision interface, support long-distance transmission
- ◎ Support GigE Vision 2.0 and GenICam Standard



#### Applications

- ◎ High-precision mechanical measurement
- ◎ FPD / 3C inspection
- ◎ Wafer surface inspection
- ◎ Scientific experiments
- ◎ Astronomical observation



**Spectral response**

## Specifications

|                       |                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------|
| <b>Model</b>          | <b>TS31MSGV-6M/C</b>                                                                    |
| Sensor                | IMX342                                                                                  |
| Image Mode            | Color / Mono                                                                            |
| Optical Size          | 27.88 mm                                                                                |
| Resolution            | 6464 * 4852                                                                             |
| Pixel Size            | 3.45μm * 3.45μm                                                                         |
| Max Frame Rate        | 4fps(6fps with SAccel™)                                                                 |
| Data Format           | 8/10/10p/12/12p                                                                         |
| Dynamic Range         | ≥70.7 dB                                                                                |
| Data Rate             | 124 MB/s (188MB/s with SAccel™)                                                         |
| Trigger Mode          | Free run / External trigger                                                             |
| Trigger Source        | Software trigger / External IO                                                          |
| Exposure Control      | Program / Pulse Width                                                                   |
| Exposure Time         | 2μs-10s(Step:1μs)                                                                       |
| Analog Gain           | 0-24                                                                                    |
| Digital Gain          | 0.004-8.000x                                                                            |
| Lens Interface        | M58 / M42 / F Mount                                                                     |
| Data Interface        | GigE Vision                                                                             |
| Power Interface       | HR10A-10R-12PB(71)(Male)                                                                |
| Power Supply          | DC12-24V(±10%) 1A or PoE power supply                                                   |
| Power Consumption     | 5.5W (DC power supply) / 6.1W (PoE power supply)                                        |
| Dimensions            | F Mount: 62mm x 62mm x 89.6mm<br>M42: 62mm x 62mm x 55.1mm<br>M58: 62mm x 62mm x 54.6mm |
| Operating Temperature | 0-55°C                                                                                  |
| Storage Temperature   | -20-75°C                                                                                |

## Mechanical Dimensions(mm)

