



# TAURUS

## High Speed Area Scan Camera

### TS65MCXP-31M/C

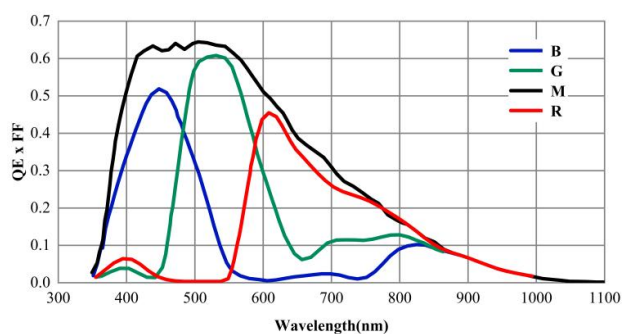
#### Features

- ◎ Global Shutter CMOS
- ◎ 9344 \* 7000 pixels, 3.2 $\mu$ m \* 3.2 $\mu$ m
- ◎ Frame rate up to 31.59fps
- ◎ 8/10/12 bit output
- ◎ High sensitivity and low noise
- ◎ Minimum exposure time: 14 $\mu$ s, exposure time step: 1 $\mu$ s
- ◎ ROI / Auto White Balance
- ◎ Defect Pixel Correction / Flat Field Correction
- ◎ Analog Gain / Digital Gain / Offset Control
- ◎ Support CoaXPress 1.1.1 Protocol
- ◎ Temperature monitor



#### Applications

- ◎ PCB AOI inspection
- ◎ Semiconductor inspection
- ◎ Solar cell inspection
- ◎ Life science



**Spectral response**

## Specifications

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| <b>Model</b>          | <b>TS65MCXP-31M/C</b>                                      |
| Sensor                | GMAX3265                                                   |
| Image Mode            | Color / Mono                                               |
| Optical Size          | 37.36 mm                                                   |
| Resolution            | 9344 * 7000                                                |
| Pixel Size            | 3.2μm * 3.2μm                                              |
| Max Frame Rate        | 31.59fps(4 channels)<br>18.58fps(2 channels)               |
| Bit Depth             | 8/10/12 bit                                                |
| Dynamic Range         | ≥62 dB                                                     |
| Data Rate             | 2000MB/s (8bit)(4 channels)<br>1400MB/s (8bit)(2 channels) |
| Trigger Mode          | Free run / External trigger                                |
| Trigger Source        | External IO / CXP Trigger                                  |
| Exposure Control      | Program / Pulse Width                                      |
| Exposure Time         | 14us~10s (Step: 1us)                                       |
| Analog Gain           | 0-64dB                                                     |
| Digital Gain          | 0.1-8.0x                                                   |
| Lens Interface        | M58 / F Mount                                              |
| Data Interface        | CoaXPress                                                  |
| Power Interface       | Hirose HR10A-7R-6PB(Male)                                  |
| Power Supply          | DC12V±10% 3.5A                                             |
| Power Consumption     | 20.0W(4-channels)                                          |
| Dimensions            | 75mm x 75mm x 90.8mm(without adapter)                      |
| Operating Temperature | 0-45°C                                                     |
| Storage Temperature   | -20-75°C                                                   |

## Mechanical Dimensions(mm)

