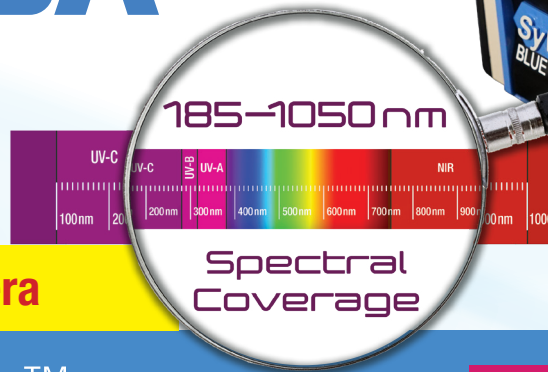
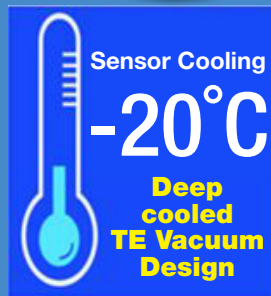


HORIBA



Vacuum Cooled Camera

**Sylent™
BLUE**
For OEM



QE Response up to 95%

High Frame Rates

USB3 Interface

Standard C or F Mount Options

Deep Cooled High Speed 1.3 MP & 4.2 MP Scientific CMOS CAMERAs for OEMs Back-Illuminated or Low Cost Front-Illuminated

Exceptional HORIBA Camera Technology for the Most Demanding Applications that Require:

- Ultra-low Limit of Detection Capability
- Longer Integration Times
- Minimal Noise Contribution from Dark Current
- Simultaneous Image Capture of Bright and Dim Signals

| Sylent BLUE Model | Effective Pixels | Pixel Size (µm) | Active Pixels | Active Photosensitive Area (mm x mm) | Optical Format/ Diagonal | Read Noise Median | | Full Well | Full Frame Readout (FPS) |
|-------------------|------------------|-----------------|---------------|--------------------------------------|--------------------------|-------------------|----------|-----------|--------------------------|
| | | | | | | STD (e-) | CMS (e-) | | |
| 4.2 MP-TE-11-BI | 4.2 MP | 11 | 2048 x 2048 | 22.52 x 22.52 | 2.0" / 31.9 mm | 1.6 | N/A | 80 ke- | 23 |
| 4.2 MP-TE-6.5-BI | 4.2 MP | 6.50 | 2048 x 2048 | 13.30 x 13.30 | 1.2" / 18.8 mm | 1.6 | 1.20 | 53 ke- | 43 |
| 1.3 MP-TE-9.76-BI | 1.3 MP | 9.76 | 1280 x 1024 | 12.49 x 9.99 | 1.0" / 15.99 mm | 1.6 | 0.85 | 48 ke- | 30 |

*Nitrogen back-filled Sylent variants available on request

For OEM Industrial Applications

SPECTROSCOPY & IMAGING

Design & Manufacturing in the USA