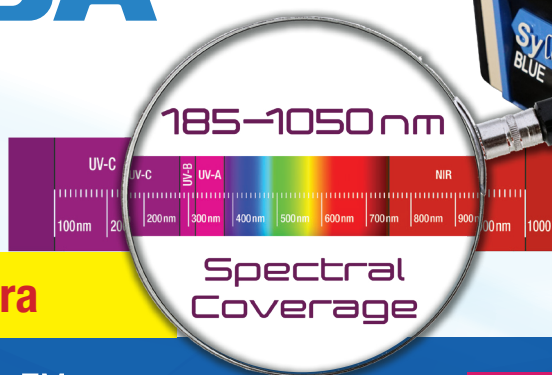


# HORIBA

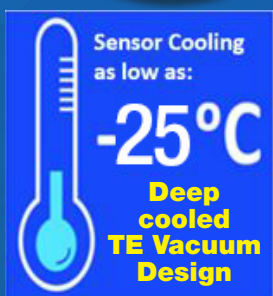
Scientific



**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   | 22.528 x 22.528                      | 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   | 13.300 x 13.300                      | 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   | 12.493 x 9.994                       | 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

