

## 1.4 Megapixel, High Sensitivity Camera

- Very sensitive - High quantum efficiency
- Exceptional image quality
- Sony ICX285 2/3" Progressive scan CCD
- Low noise - very low dark current
- Available in landscape or portrait orientation
- Fast frame rate - 30 fps at full-resolution



|  |   |
|--|---|
| <b>Resolution</b>                            | 1360x1024   |
| <b>Sensor Type</b>                           | 2/3" CCD ExView HAD progressive scan<br>Sony ICX285   |
| <b>Pixel Size (µm)</b>                       | 6.45 x 6.45   |
| <b>Maximum Frame Rate</b>                    | 30 fps at 1360x1024   |
| <b>Lens Mount</b>                            | C-mount with adjustable back focus  |
| <b>Digital Interface*</b>                    | GigE Vision 1.0   |
| <b>Interface Type</b>                        | IEEE 802.3 1000baseT  |
| <b>Exposure Range</b>                        | 10µs to 60s   |
| <b>Region of Interest (ROI)</b>              | Independent x and y control; 1 pixel resolution   |
| <b>Binning</b>                               | Independent H and V control   |
| <b>Imaging Modes</b>                         | External trigger, Fixed frame rate, Software trigger  |
| <b>External Trigger Modes</b>                | Rising edge, Falling edge, Any edge, Level high,<br>Level low   |
| <b>External Sync Modes</b>                   | Trigger ready, Trigger input, Exposing, Readout,<br>Imaging, Strobe, GPO  |
| <b>External Trigger/<br/>Sync Connection</b> | 14-pin mini-DSub  |
| <b>Monochrome Modes</b>                      | Mono8, Mono16†  |
| <b>Color Modes</b>                           | Bayer8, Bayer16, RGB24, YUV411, YUV422,<br>YUV444, BGR24, RGBA24, BGRA24  |
| <b>GPIO</b>                                  | 1 isolated TTL input, 1 isolated TTL output, 1<br>non-isolated TTL input, 1 non-isolated TTL output,<br>RS232 I/O |
| <b>Power Consumption</b>                     | 3.5W (12V)  |
| <b>Housing Size (mm)</b>                     | 55 x 95 x 25  |
| <b>Weight</b>                                | 185g  |
| <b>Conformity</b>                            | CE, FCC, RoHS   |
| <b>SDK</b>                                   | Free - includes sample code and driver  |

\*GigE Vision™ is a trademark of the Automated Imaging Association

†Mono16 is available on monochrome models only

Specifications are subject to change without notice

Please refer to the Prosilica web site for a full list of specifications

### About the GS1380 / 1380C

The ultra-compact 1.4 Megapixel GS1380 is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision™). The GS1380 incorporates the incomparable Sony ICX285 CCD sensor with ExView technology providing high-sensitivity, low noise, excellent antiblooming, and superb image quality.

### Applications for the GS1380 include

- industrial inspection
- machine vision
- microscopy
- fluorescence
- aeronautical and aerospace
- public security

### The Prosilica Advantage

- Image quality
- High reliability
- High performance
- Ultra-Compact
- Ease of use and integration
- Rich set of camera features

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