# 900-1700nm / 400-1700nm SWIR Cameras

## GH-SW640HS-CL

640x512

15µm

TEC 1

900-1700nm / 400-1700nm

CameraLink

Global shutter
Single point Correction

| | |
|---|---|
| Model type | GH-SW640HS-CL |
| Sensor | GH-SW640HS |
| Resolution | 640 x 512 |
| Spectral Response | 900 ~ 1700nm / 400 ~ 1700nm |
| Pixel Pitch | 15µm |
| Active Area | 9.6mm x 7.68mm |
| Quantum Efficiency | > 70 %（1.0 µm ~ 1.6µm） |
| Frame Rate | 100Hz / 200 Hz （Optional） |
| Integration Type | snapshot |
| Integration Time | 100µs ~ 20ms / Max 9ms at 100Hz |
| Pixel Capacity | > 99.5% |
| Full Well Capacity | 1.8Me- |
| ADC | 14bit |
| Analog Video Output | PAL、SMA Interface |
| Digital Output | SDR 26 pin connector，Base Camera Link |
| Software | Windows Software/windows SDK |
| Trigger | Camera link Via Camera Link CC1（Delay < 1µs） |
| Mode Control | Camera Link SerTC，SerTFG. Baud: 115200 bps |
| Power Input | DC 12V ± 2V |
| Power Dissipation | < 3W （TEC OFF） |
| Dimensions | 61mm × 62mm × 59mm（without Lens） |
| Lens Mount | C-Mount |
| Operating Temp | -20 ℃~ +50 ℃ / -40 ℃~ + 70 ℃（Optional） |
| Storage Temp | -40 ℃ ~ + 80 ℃ |
| On-Board Image Processing | Single/two-point correction, bad pixel replacement, image denoising, image smoothing, controllable shutter compensation |

* Technical data are subject to change without notice