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Grasshopper3 GigE

Model: GS3-PGE-23S6M-C: 2.3 MP, 48 FPS, Sony IMX174, Mono

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The Grasshopper®3 GigE camera family utilizes primarily Sony CCD sensors and the Sony Pregius IMX174 sensor. For FLIR GigE cameras with the latest sensors and most advanced feature sets, please refer to our Blackfly S and Oryx camera families.

PRODUCT VARIATIONS:

GS3-PGE-23S6M-C: 2.3 MP, 48 FPS, Sony | ▼

\$1,045.00

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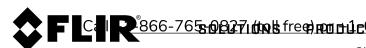








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SPECIFICATIONS

OVERVIEW

Frame Rate 48

Lens Mount C-mount

Pixel Size 5.86

Quantum Efficiency 77 (Mode 0) / 77 (Mode 7) (% at 525 nm)

Resolution 1920×1200

Sensor Type **CMOS**

1/1.2" Sensor Format

ADC 10-bit, 12-bit

Chroma Mono

Megapixels 2.3

Readout Method Global shutter

Sensor Name Sony IMX174

Required Accessories Lens, Cable, Host Adapter (GigE)

Part Number GS3-PGE-23S6M-C

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CE, FCC, KCC, RoHS. The ECCN for this product is: EAR099.







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ENVIRONMENTAL

Operating Humidity 20 to 80% (no condensation)

Operating Temperature 0° to 50°C

Storage Humidity 20 to 95% (no condensation)

Storage Temperature -30° to 60°C

FEATURES

Image Processing Gamma, lookup table, hue, saturation, and sharpness

Serial Port 1 (over non-isolated I/O)

Flash Memory 2 MB non-volatile memory

Image Buffer 128 MB

Trigger Modes Standard, bulb, overlapped, multi-shot

User Sets 2 user configuration sets for custom camera settings

Exposure Range 0.017 ms to 32 seconds

Gain Range 0 dB to 29.9 dB

Partial Image Modes Pixel binning, ROI

PERFORMANCE

Absolute Sensitivity

Threshold (y)

20.42 (Mode 0) / 9.75 (Mode 7)

Saturation Capacity (e-) 32488 (Mode 0) / 32691 (Mode 7)

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poraដ្ឋាន្ទ្រស្នម្បែកម្តុ (សាX174, Mono 14.74 (Mode 0) / 6.83 (Mode 7)

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66.57 (Mode 0) / 72.99 (Mode 7)

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Dynamic Range dB
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ABOUT

90 grams

Interface GigE PoE

Non-isolated I/O Ports 2 bi-directional

Opto-isolated I/O Ports 1 input, 1 output

 $44 \text{ mm} \times 29 \text{ mm} \times 58 \text{ mm}$ Dimensions $[W \times H \times L]$

POWER

Power Requirements Power over Ethernet (PoE), or 12 V nominal (8 - 24 V) via GPIO

RECOMMENDED SYSTEM CONFIGURATION

Accessories included Tripod Mount Adapter (ACC-01-0011)

Hard Drive 200 MB hard drive space

RAM 2 GB RAM or more

Power Sourcing PoE Interface Card / Injector/ Switch or Camera Power Supply(12v 1.5A, 8-pin Hirose) Equipment

Port Gigabit Ethernet Port

Operating System Windows or Linux (32-bit or 64-bit)

CPU 3.1 GHz or equivalent CPU

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FPS, Sony IMX174, Mono

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