

DH-MV-A5B57MG200E

- 256MB on-board cache for data transmission and image data resend
- Support Software Trigger/Hardware Trigger/Free Run Mode
- Support ISP functions including Sharpness/Denoising/Gamma/LUT/BlackLevel Correction/TargetBrightness/Contrast etc
- Support multiple image format output/ROI/Binning/Mirror etc
- Conforms to GigE Vision V2.0 protocol and GenICam standard
- Conforms to CE,FCC,UL and RoHS certifications
- GigE interface provides 1Gbps bandwidth, with max 100m transmission distance



Specification

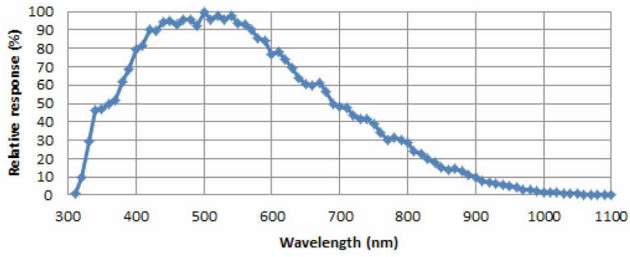
| Model | Sensor | Sensor type | Shutter | Resolution | Frame rate (fps) | Bit depth | Interface | Mono/Color | Pixel size (μ m) | Sensor size |
|-------------------|----------|-------------|---------|------------|--------------------|-----------|-----------|------------|------------------------|-------------|
| DH-MV-A5B57MG200E | GMAX0505 | CMOS | Global | 5120x5120 | 4 | 12 | GigE,PoE | Mono | 2.5x2.5 | 1.1" |

| | |
|-------------------|---|
| Model | DH-MV-A5B57MG200E |
| Effective Pixels | 25MP |
| SNR | >35dB |
| Dynamic Range | >64dB |
| GPIO | 6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output |
| Image Format | Mono8/10/10Packed/12/12Packed |
| Binning | Support |
| Decimation | No |
| ROI | Support |
| Gain | X1~X32 |
| Gamma | Range from 0 to 4,support LUT |
| Exposure Time | 5 μ s~1s |
| Trigger Mode | Software trigger/Hardware trigger/Free run mode |
| Image Buffer | 128MB |
| User Setting | Support two sets of user-defined configurations |
| SPC | Support |
| FPN | No |
| Dimensions | 29mmx44mmx58mm(not including lens mount and rear case connector) |
| Weight | 100g |
| Power Supply | POE/DC power supply by Hirose connector,with voltage range from 6V to 26V |
| Power Consumption | 12V \approx 4.0W |
| Lens Mount | C-mount |
| Temperature | Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C |

Spectrogram

A5B57MG200E

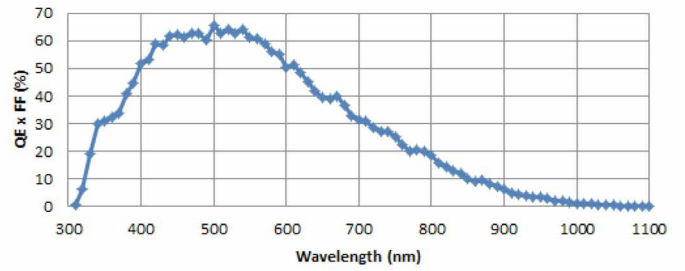
Relative response



Quantum Efficiency Curve for Mono Sensor

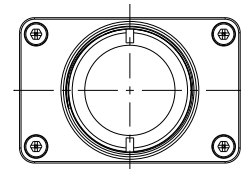
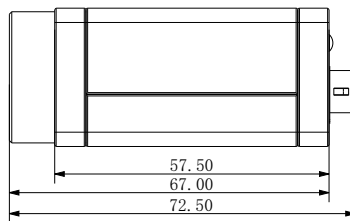
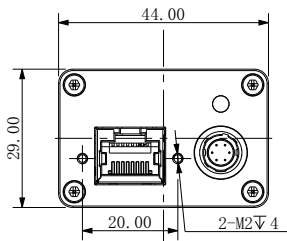
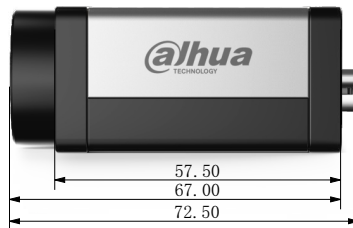
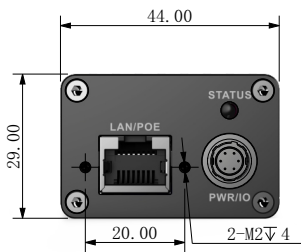
A5B57MG200E

Spectral response

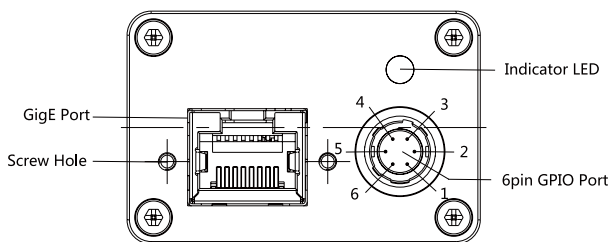


Quantum Efficiency Curve for Mono Sensor

Dimensions



IO Interface Instruction



| Pin | Signal | Description |
|-----|--------|----------------------|
| 1 | Power | DC +6V~26V |
| 2 | Line1 | Opto-isolated Input |
| 3 | Line2 | NA |
| 4 | Line0 | Opto-isolated Output |
| 5 | IO GND | Opto-isolated Ground |
| 6 | GND | DC Power Ground |