

▲ AX7D36MG060/1E

- 1Gbps Ethernet interface , max 100m transmission
- 35mm global shutter CCD sensor
- Support multiple image data formats
- Software trigger/Hardware trigger/Free run mode
- Compatible with GigE Vision V2.0 protocol and GenICam standard



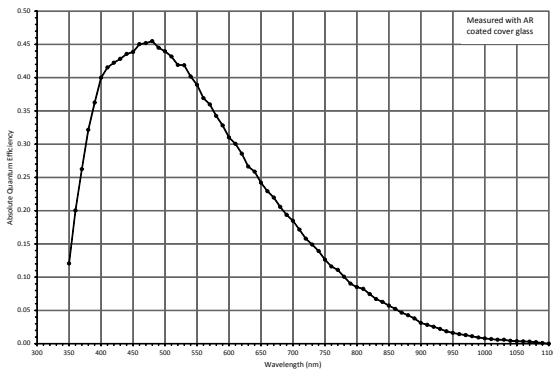
Specification

| Model | Sensor | Sensor type | Shutter | Resolution | Frame rate (fps) | Bit depth | Interface | Mono/ Color | Pixel size (μ m) | Sensor size |
|--------------|----------|-------------|---------|-------------|--------------------|-----------|-----------|-------------|--------------------|-------------|
| AX7D36MG060E | KAI43140 | CCD | Global | 8040 x 5360 | 2.6 | 14 | GigE | Mono | 4.5x4.5 | 35mm |
| AX7D36MG061E | KAI43140 | CCD | Global | 8040 x 5360 | 2.6 | 14 | GigE | Mono | 4.5x4.5 | 35mm |

| Model | AX7D36MG060E | AX7D36MG061E |
|-------------------|---|--------------|
| Effective Pixels | 43MP | |
| SNR | >39dB | |
| Dynamic Range | 59dB | |
| GPIO | 12 pin Hirose: 3 Opto-isolated input, 3 Opto-isolated output, 1 RS232 serial port | |
| Image Format | Mono8/10/10Packed | |
| Binning | -- | |
| Gain | x1~x6 | |
| Gamma | Range from 0 to 4, support LUT | |
| Exposure Time | 30μs~1s | |
| Trigger Mode | Software trigger/Hardware trigger/Free run mode | |
| Image Buffer | 415MB | |
| User Setting | Support two sets of user-defined configurations | |
| Dimensions | 72mmx72mmx53mm(not including lens mount and rear case connector) | |
| Weight | 390g | |
| Power Supply | DC power supply by Hirose connector , with voltage range from 14V to 24V | |
| Power Consumption | 24V≈13W | |
| Lens Mount | F | |
| Temperature | Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C | |

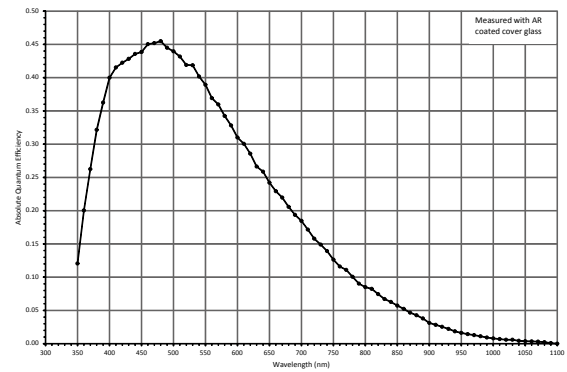
Spectrogram

AX7D36MG060E



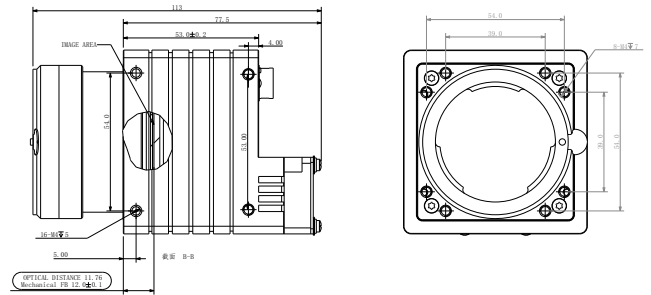
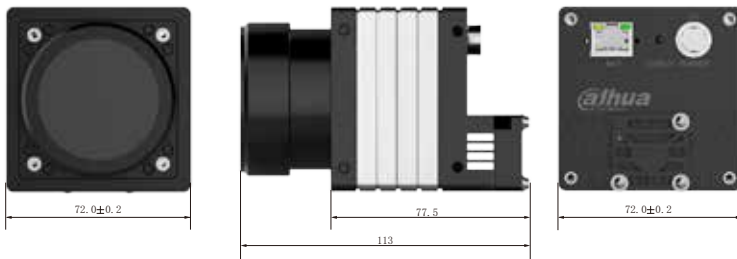
Quantum Efficiency Curve for Mono Sensor

AX7D36MG061E

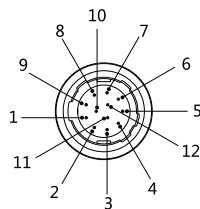
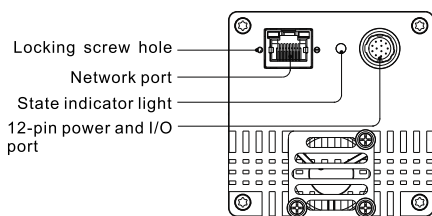


Quantum Efficiency Curve for Mono Sensor

Dimensions



IO Interface Instruction



| Pin | Signal | Description |
|-----|--------------|---------------------------|
| 1 | Power Ground | Camera power ground |
| 2 | Power | Camera power |
| 3 | RXD RS232 | Serial port reception |
| 4 | TXD RS232 | Serial port transmission |
| 5 | OPT_IN1 | Optocoupler input 1 |
| 6 | OPT_IN2 | Optocoupler input 2 |
| 7 | OPT_IN3 | Optocoupler input 3 |
| 8 | OPT_IN_GND | Optocoupler input ground |
| 9 | OPT_OUT1 | Optocoupler output 1 |
| 10 | OPT_OUT2 | Optocoupler output 2 |
| 11 | OPT_OUT3 | Optocoupler output 3 |
| 12 | OPT_OUT_GND | Optocoupler output ground |