Large Area Scan Series

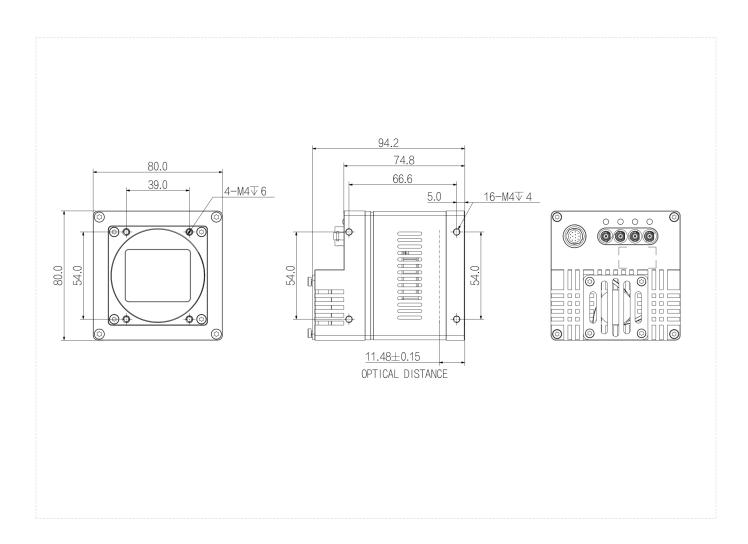
AX5B17MP050E



Features

- CXP-12 interface, 4 x 12.5Gbps theoretical transfer bandwidth;
- Support hardware trigger/free run mode;
- Support pixel-by-pixel FFC function;
- Support multiple image data formats output, ROI and etc.;
- Support PoCXP and DC 24V power supply;
- Conforms to CoaXPress protocol and GenICam standard;
- Conform to CE, FCC, KC and RoHS;

Dimensions (mm)



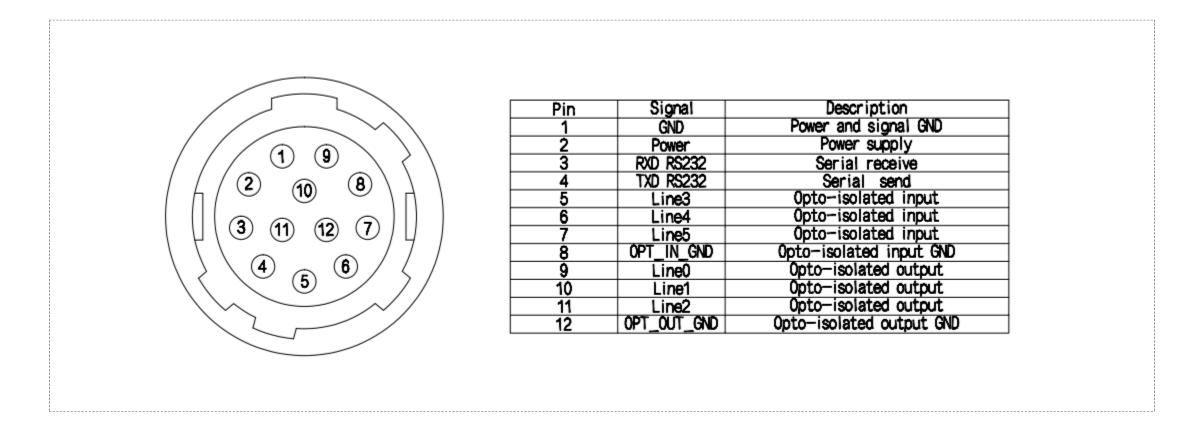


Specification

| Sensor GSPRINT4521 Image Sensor 23.0 mm × 18.4 mm CMOS Shutter Global Resolution 5120 × 4096 Frame Rate 219 fps Bit Depth 12 bit Mono/Color Mono Pixel Size 4.5 μm × 4.5 μm Fyiel 21 MP S/N Ratio 44 dB Dynamic Range 69 dB Image Format Mono8/10/12 ROI Support X Flip No Support Y Flip Support Y Flip Support Y Flip Support Gain Analog gain: 1× ~ 8×, Digital gain: 1× ~ 100× Exposure Time 4 μs ~ 5 s Trigger Mode Software Trigger/Hardware Trigger/Free Run Mode SPC Support Performance Viser Setting Support two sets of user-defined configurations Port CXP-12 Port GPIO Interface 3× Opto-isolated input, 3× Opto-isolated output; 1× R5232 Lens Mount MS8 × 0.75 Power Supply DC 24V power supply via 12 Hirose interface , support PoC×P Power Consumption 24 √ ≈ 34.55 W Product Dimensions 80 mm × 80 mm × 75 mm (Non including rear case connector) Net Weight 775 g | Model | | AX5B17MP050E |
|--|-------------|-----------------------|---|
| Basic Shutter Global Resolution 5120 × 4096 Frame Rate 219 fps Bit Depth 12 bit Mono/Color Mono Pixel Size 4.5 μm × 4.5 μm S/N Ratio 44 dB Dynamic Range 69 dB Image Format Mono8/10/12 ROI Support X Flip No Support Y Flip Support Gain Analog gain: 1× ~ 8×, Digital gain: 1× ~ 100× Exposure Time 4 μs ~ 5 s Trigger Mode Software Trigger/Hardware Trigger/Free Run Mode SPC Support Port CXP-12 GPIO Interface 3× Opto-isolated input. 3× Opto-isolated output.1× RS232 Lens Mount MS8 × 0.75 Power Supply DC 24V power supply via 12 Hirose interface, support PoC×P Power Consumption 24 V ≈ 34.56 W Structure Not Weight 775 g Structure Storage Temperature -30°C ~ 80°C | Basic | Sensor | GSPRINT4521 |
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| Mono/Color Mono | | Frame Rate | 219 fps |
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| $ \begin{tabular}{lllllllllllllllllllllllllllllllllll$ | | ROI | Support |
| Gain Analog gain: $1 \times \sim 8 \times$, Digital gain: $1 \times \sim 100 \times$ Exposure Time $4 \mu s \sim 5 s$ Trigger Mode Software Trigger/Hardware Trigger/Free Run Mode SPC Support Performance User Setting Support two sets of user-defined configurations Port CXP-12 GPIO Interface $3 \times \text{Opto-isolated input, } 3 \times \text{Opto-isolated output; } 1 \times \text{RS232}$ Lens Mount $M58 \times 0.75$ Power Supply DC 24V power supply via 12 Hirose interface , support PoC × P Power Consumption $24 \text{ V} \approx 34.56 \text{ W}$ Structure Product Dimensions $80 \text{ mm} \times 80 \text{ mm} \times 75 \text{ mm}$ (Non including rear case connector) Net Weight 775 g Storage Temperature $-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$ | | X Flip | No Support |
| Exposure Time $4 \mu s \sim 5 s$ Trigger Mode Software Trigger/Hardware Trigger/Free Run Mode SPC Support Performance User Setting Support two sets of user-defined configurations Port CXP-12 GPIO Interface $3 \times \text{Opto-isolated input, } 3 \times \text{Opto-isolated output; } 1 \times \text{RS232}$ Lens Mount $M58 \times 0.75$ Power Supply DC 24V power supply via 12 Hirose interface, support PoC×P Power Consumption $24 \text{ V} \approx 34.56 \text{ W}$ Structure Product Dimensions $80 \text{ mm} \times 80 \text{ mm} \times 75 \text{ mm} \text{ (Non including rear case connector)}$ Net Weight 775 g Storage Temperature $-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$ | | Y Flip | Support |
| Trigger Mode Software Trigger/Hardware Trigger/Free Run Mode SPC Support Support Support two sets of user-defined configurations Port CXP-12 GPIO Interface 3 × Opto-isolated input, 3 × Opto-isolated output;1 × RS232 Lens Mount M58 × 0.75 Power Power Supply Power Supply Power Consumption 24 V ≈ 34.56 W Product Dimensions 80 mm × 80 mm × 75 mm (Non including rear case connector) Net Weight 775 g Storage Temperature -30°C ~ 80°C | | Gain | Analog gain: 1× ~ 8×, Digital gain: 1× ~ 100× |
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| Port CXP-12 GPIO Interface $3 \times \text{Opto-isolated input, } 3 \times \text{Opto-isolated output;} 1 \times \text{RS232}$ Lens Mount $M58 \times 0.75$ Power Supply DC 24V power supply via 12 Hirose interface , support PoC × P Power Consumption $24 \text{ V} \approx 34.56 \text{ W}$ Structure Product Dimensions $80 \text{ mm} \times 80 \text{ mm} \times 75 \text{ mm}$ (Non including rear case connector) Net Weight 775 g Storage Temperature $-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$ | | SPC | Support |
| PortGPIO Interface $3 \times$ Opto-isolated input, $3 \times$ Opto-isolated output; $1 \times$ RS232Lens MountM58 \times 0.75PowerPower SupplyDC 24V power supply via 12 Hirose interface , support PoC \times PPower Consumption $24 \text{ V} \approx 34.56 \text{ W}$ StructureProduct Dimensions $80 \text{ mm} \times 80 \text{ mm} \times 75 \text{ mm}$ (Non including rear case connector)Net Weight 775 g EnvironmentStorage Temperature $-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$ | Performance | User Setting | Support two sets of user-defined configurations |
| Lens Mount $M58 \times 0.75$ Power Supply DC 24V power supply via 12 Hirose interface , support PoC×P Power Consumption $24 \text{ V} \approx 34.56 \text{ W}$ Structure Product Dimensions $80 \text{ mm} \times 80 \text{ mm} \times 75 \text{ mm}$ (Non including rear case connector) Net Weight 775 g Storage Temperature $-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$ | Port | Port | CXP-12 |
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| Structure Net Weight 775 g Storage Temperature -30°C ~ 80°C | | Power Consumption | 24 V ≈ 34.56 W |
| Net Weight 775 g Storage Temperature -30°C ~ 80°C | Structure | Product Dimensions | 80 mm × 80 mm × 75 mm (Non including rear case connector) |
| Environment | | Net Weight | 775 g |
| | Environment | Storage Temperature | -30°C ~ 80°C |
| | | Operating Temperature | -30°C ~ 50°C |



Connector Pin-out



Spectrogram

