

Allied Vision

# EoSens CoaXPress-12

## EoSens9.5MCX12-FF

| □반 | |
|---|---|
| 모델 | EoSens9.5MCX12-FF |
| 제품 코드 | F006220 |
| 제품 시리즈 | EoSens CoaXPress-12 |
| 상태 | Available |

| 센서 | |
|---|---|
| 센서 유형 | Area scan |
| 크로마 | Mono |
| 스펙트럼 | Visible |
| 스펙트럼 범위 | 380 nm to 1000 nm |
| 해상도 | 4,096 × 2,304 (9.50 MP) |
| 센서 모델 | Luxima LUX9506 |
| 센서 아키텍처 (소재) | cmos |
| 셔터 유형 | Global shutter (GS) |
| 센서 크기 | 26.62 × 14.98 mm (30.55 mm, Type 2) |
| 픽셀 크기 | 6.50 µm × 6.50 µm |

| 픽셀 형식 | |
|---|---|
| 센서 비트 심도 | 8-bit, 10-bit, 12-bit |
| 모노크롬 픽셀 형식 | mono8, mono10, mono12 |

| 타이밍 및 게인 | |
|---|---|
| 최대 프레임 속도 | 503 fps |
| 최대 프레임 속도 ROI 모드 | 4096 x 2304 \| 503 fps, 1920 x 1080 \| 2243 fps, 1280 x 720 \| 4898 fps, 640 x 480 \| 13498 fps, 4096 x 100 \| 11039 fps, 512 x 512 \| 15767 fps, 512 x 8 \| 225000 fps, |
| 노출 시간 | 2 µs to 40.00 ms |

## 타이밍 및 게인

| | |
|---|---|
| 게인 | 0.0 dB to 12.0 dB |

## I/O 및 전원

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|---|---|
| 비절연 라인 | 1 x LVDS input, 1 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 2 x Open drain output, |
| 특정 비절연 라인 | 1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output, |
| 광절연 라인 | 0 x Optical isolated input, 0 x Optical isolated input, |
| I/O 커넥터 | 12-pin Hirose HR10A-10P-12S |
| 전원 공급 장치 | Power over CoaXPress only |
| 전력 소비 | 21 W (typical) |

## 작동 조건

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|---|---|
| 작동 온도 | -10 °C to 60 °C (하우징) |

## 기계적 특성

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|---|---|
| 본체 치수 (L x W x H mm) | 49 × 80 × 80 |
| IP 등급 | IP30 |
| 렌즈 마운트 | Flat Front |
| 무게 | 630 g |

## 인터페이스

| | |
|---|---|
| 디지털 인터페이스 | cxp-12 with 4 connections |
| 인터페이스 커넥터 | (micro-BNC) |
| 비전 표준 | CoaXPress 2.0 |

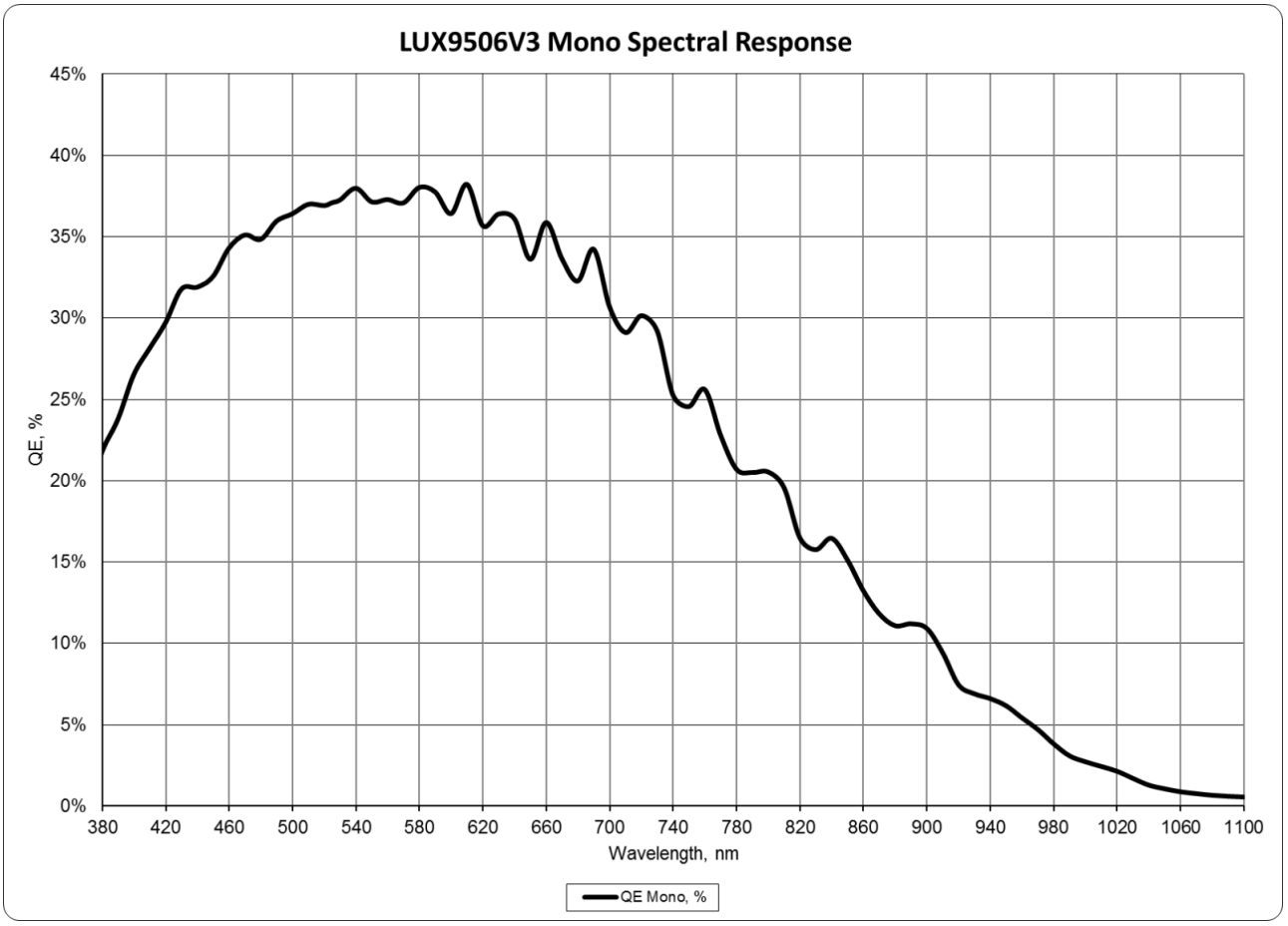
## FW 기능 - 이미지 제어

| | |
|---|---|
| 노출 모드 | external |
| 게인 모드 | digital, analog |
| 이미지 제어 기능 | roi, mirror-image, dpc, shading-correction |

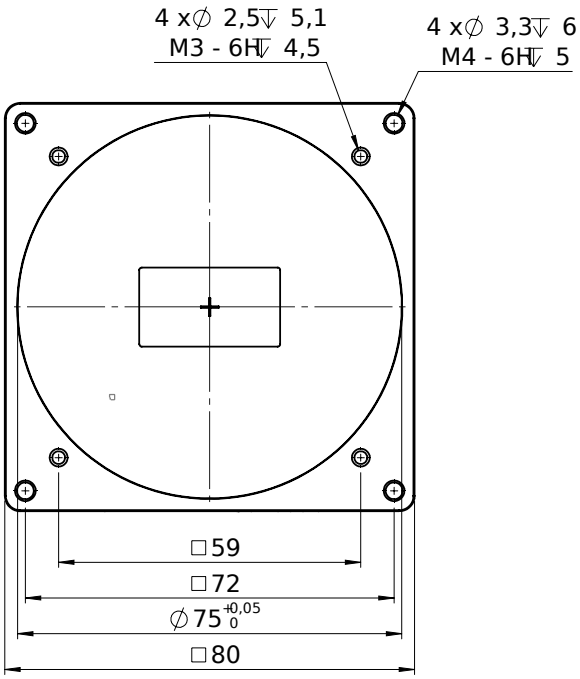
## FW 기능 - 카메라 제어

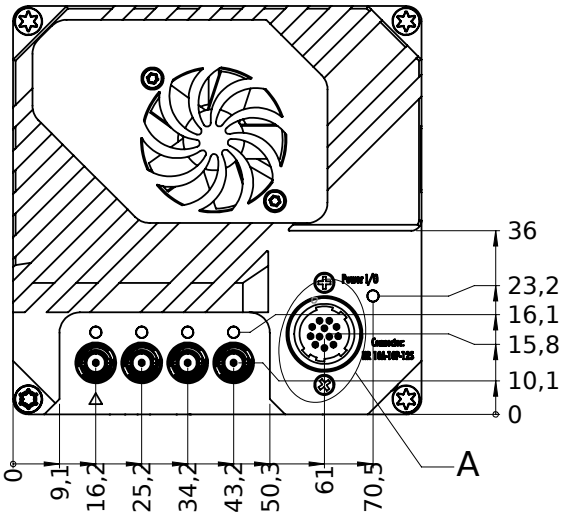
| | |
|---|---|
| 트리거 모드/동기화 | external, trigger-over-cxp |

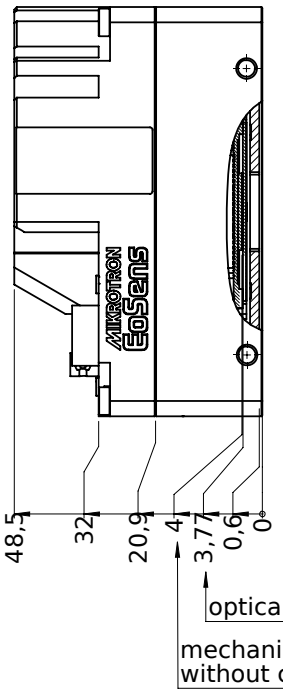
## Quantum Efficiency

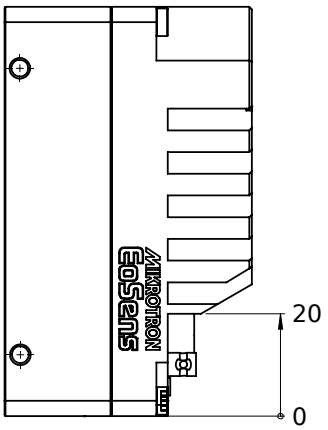


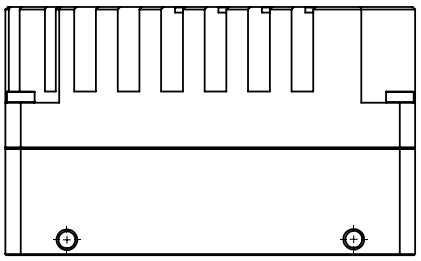
## Technical Drawing

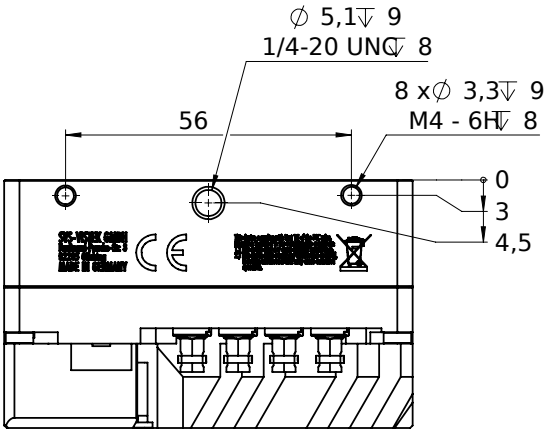


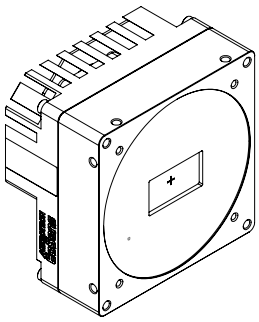



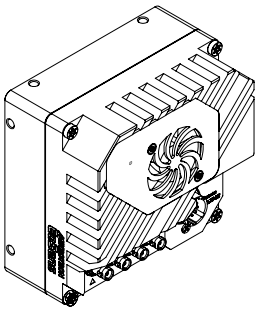



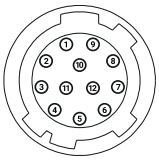






## I/O pin assignment



| Pin | Signal | Pin | Signal |
|---|---|---|---|
| 1 | $V_{out}$- (GND) | 7 | OUT 1 (open drain) |
| 2 | $V_{out}$+ (24 V) | 8 | OUT 2 (open drain) |
| 3 | IN 4 RxD (RS 232) | 9 | LVDS Input P |
| 4 | OUT 4 TxD (RS 232) | 10 | LVDS Input N |
| 5 | IN 1 (0-24 V) | 11 | LVDS Output P |
| 6 | IN 2 (0-24 V) | 12 | LVDS Output N |