

AxCIS MONO

Contact Image Sensor



KEY FEATURES

- High speed 120 kHz, and high resolution 28µm or 900 dpi
- No missing or interpolated pixels
- Exposure control
- Mono/HDR mode
- Precalibrated pixel size for metrology applications
- Next gen Camera Link HS fibre interface

PROGRAMMABILITY

- Automatic image alignment with a seamless image output
- Subpixel spatial correction
- 8 or 12 bit output
- Flat field correction
- Programmable coefficient sets

TYPICAL APPLICATIONS

- Battery inspection
- Print inspection
- Printed circuit boards
- Web inspection
- General purpose machine vision

High Performance Contact Image Sensor

Based on Teledyne DALSA's industry leading CMOS linescan sensors, the new AxCIS modules offers highly integrated vision solutions at lower system costs for many demanding applications in machine vision. It combines sensors, lenses, and light sources in a compact design with ease of use. AxCIS comes with the next-generation CLHS Fiberoptic interface, delivering high data throughput, high reliability, and long cable distance over standard fibre optic cables.

SPECIFICATIONS

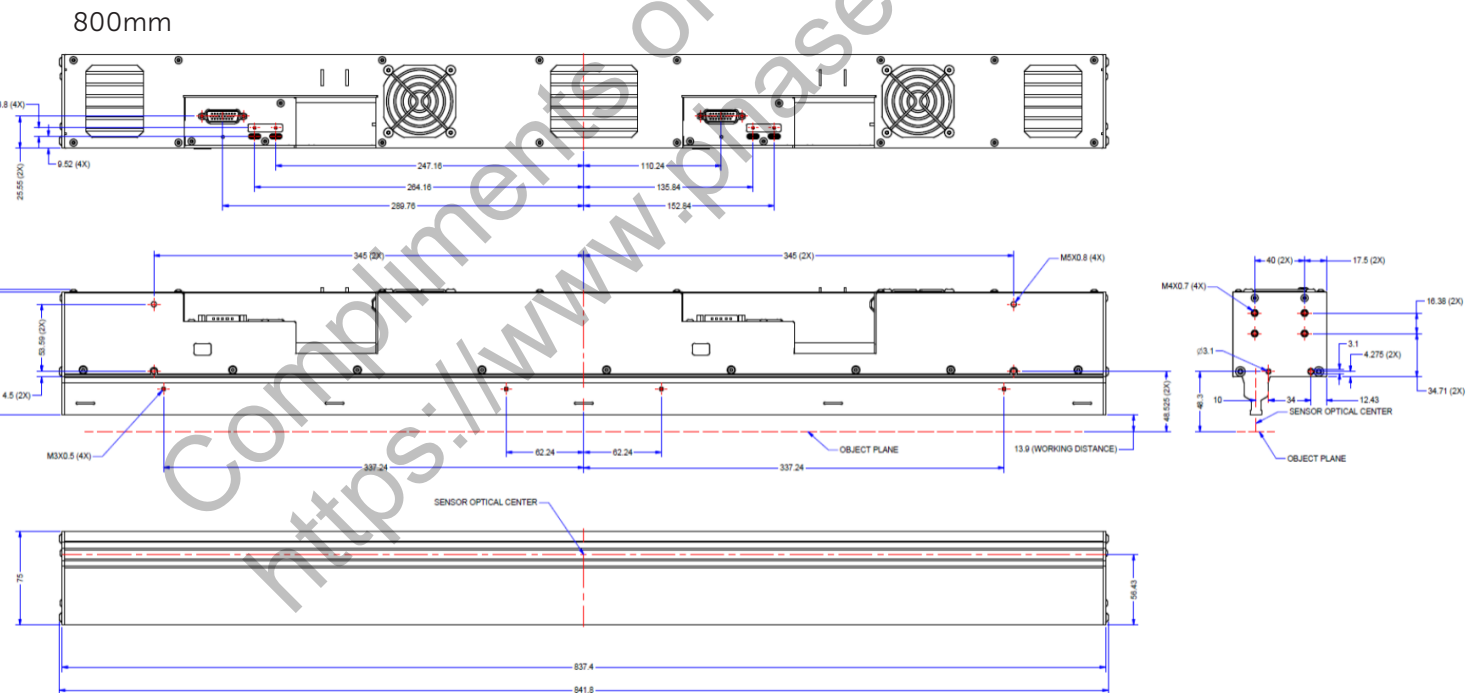
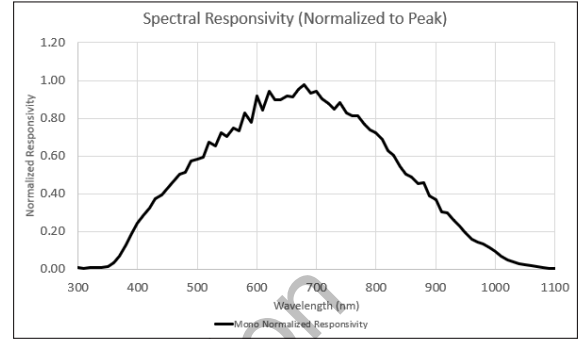
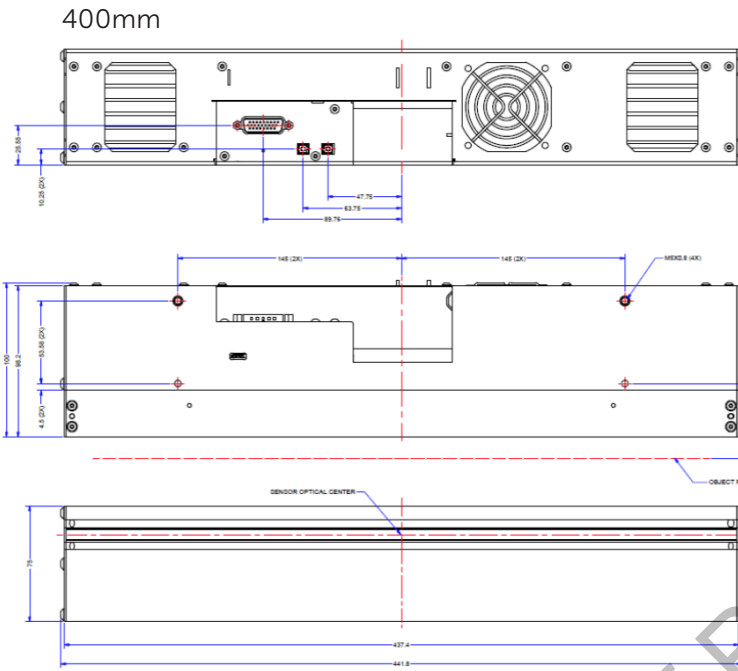
FIELD OF VIEW	400/800 mm
DEPTH OF FIELD	± 0.6 mm
WORKING DISTANCE	13.9 mm
RESOLUTION	42/28 µm (600/900 dpi)
MAX LINE RATE	120/60 kHz (mono/HDR)
OUTPUT	Mono/HDR
BIT DEPTH	8 or 12 bit selectable
RESPONSIVITY	See graph
LIGHT SOURCE	White LED (optional)
DYNAMIC RANGE	>76 dB
NOMINAL GAIN RANGE	1x to 10x
SIZE	441.8 (L) x75 (W) x100 (H) mm (400 mm) 841.8 (L) x75 (W) x100 (H) mm (800 mm)
DUST INGRESS PROTECTION	IP60
OPERATING TEMP	0 to +65 °C (case)
POWER SUPPLY	+24 VDC
POWER DISSIPATION	<38 W (400 mm) <75.3W (800 mm)
DATA & CONTROL	Camera Link HS SFP+
GPIO	RS422
REGULATORY COMPLIANCE	CE, FCC, and RoHS

AxCIS MONO MODEL

Part Number	FOV	Max. Line Rate	Pixel Size/dpi	Output
AX-FM-04B12H-00	400 mm	120/60 kHz	28 µm 900 dpi	Mono/HDR
AX-FM-08B12H-00	800 mm	120/60 kHz	28 µm 900 dpi	Mono/HDR

PRELIMINARY PRODUCT INFORMATION

SPECIFICATIONS



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