

# AxCIS COLOR

## Contact Image Sensor



### KEY FEATURES

- High speed 60 kHz x3, and high resolution 28 µm or 900 dpi
- No missing or interpolated pixels
- Exposure control
- RGB colors
- Precalibrated pixel size for metrology applications
- 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

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

## High Performance Contact Image Sensor

Based on Teledyne DALSA's industry leading CMOS line scan sensors, the new AxCIS product 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 and maintenance. AxCIS comes with CLHS fibre interface, delivering high data throughput, high reliability, and long cable distance over fibre optic cables.

### SPECIFICATIONS

FIELD OF VIEW	400/800 mm
DEPTH OF FIELD	±0.6 mm
WORKING DISTANCE	13.9 mm
RESOLUTION	28/42/56/84 µm (900/600/450/300 dpi) selectable
MAX LINE RATE	50/60 kHz x 3
OUTPUT	RGB
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 (optical path)
OPERATING TEMP	0 to +65 °C (case)
POWER SUPPLY	+24 VDC
POWER DISSIPATION	<38 W (400 mm) <75.3 W (800 mm)
DATA & CONTROL	Camera Link HS SFP+
GPIO	RS422
REGULATORY COMPLIANCE	CE, FCC, and RoHS

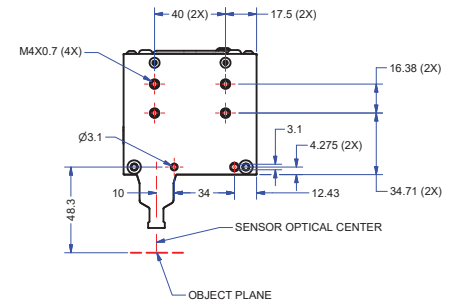
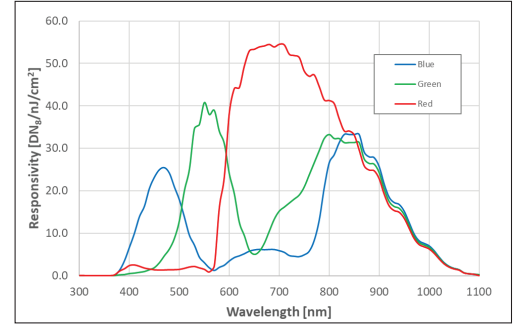
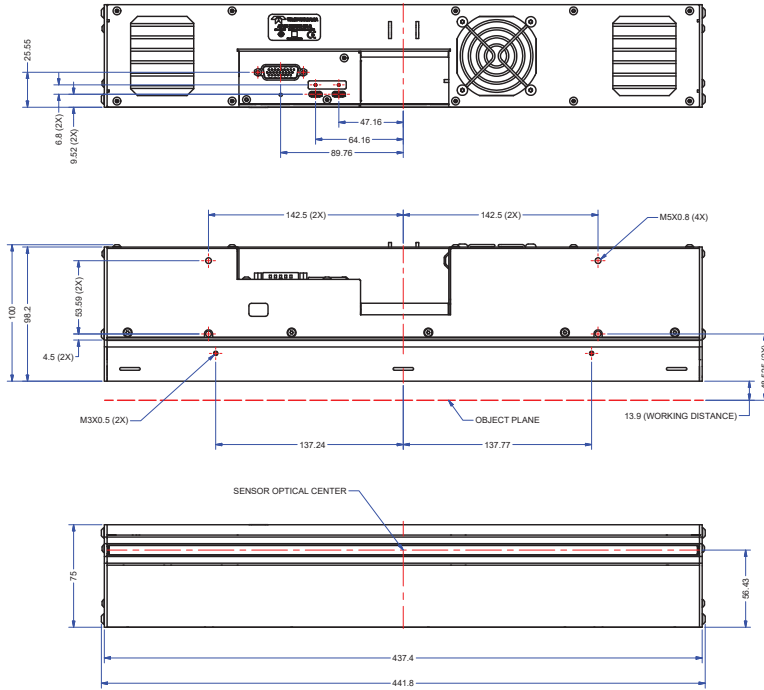
### AxCIS COLOR MODEL

Part Number	FOV	Max. Line Rate	Pixel Size/dpi	Output
AX-FC-04B06T-00	400 mm	50/60 kHz x 3	28/42/56/84 µm (900/600/450/300 dpi) selectable	RGB
AX-FC-08B06T-00	800 mm	50/60 kHz x 3	28/42/56/84 µm (900/600/450/300 dpi) selectable	RGB

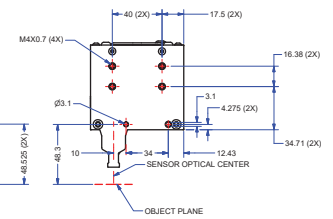
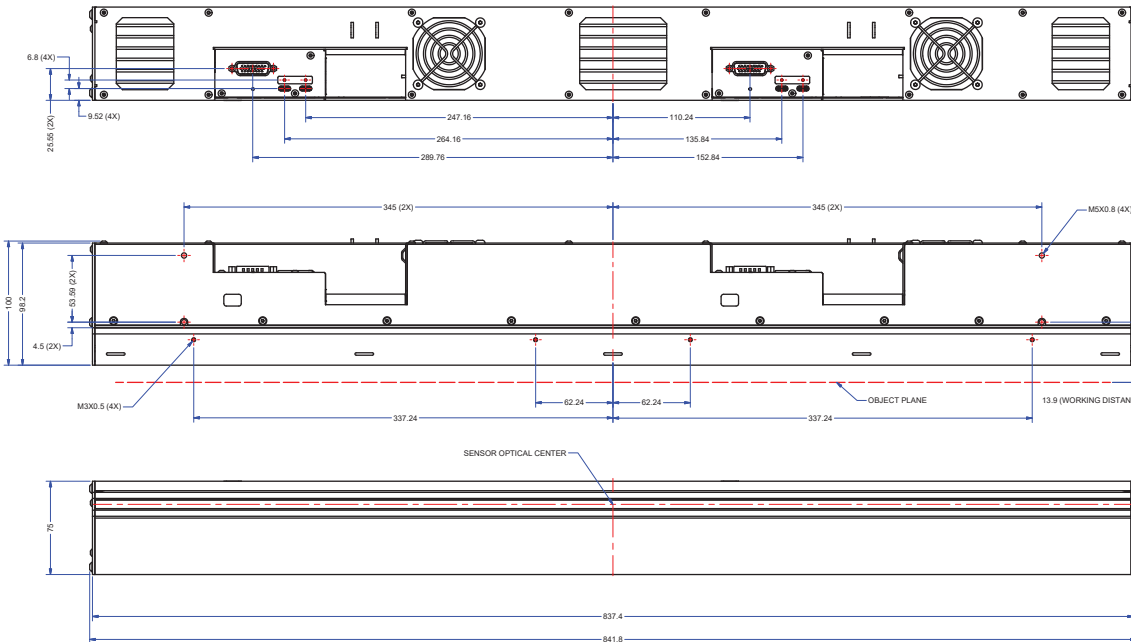
## PRELIMINARY PRODUCT INFORMATION

**SPECIFICATIONS**

400 mm



800 mm



**FOR MORE INFORMATION CONTACT:**

AMERICAS Boston, USA | +1 978-670-2000 | TDI\_sales.americas@teledynedalsa.com  
 EUROPE Munich, Germany | +49 89-89-54-57-3-80 | TDI\_sales.europe@teledynedalsa.com  
 ASIA PACIFIC Tokyo, Japan | +81 3-5960-6353 | TDI\_sales.asia@teledynedalsa.com  
 Shanghai, China | +86 21-3368-0027 | TDI\_sales.asia@teledynedalsa.com

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