

# RGB Prism Spectroscopic 3CMOS Camera **NEW**



## Description

5.1 Mpix camera with three CMOS chips

## Features

- RGB prism spectrography adopted
- 5.1 Mpix resolution and CoaXPress interface
- Area scan camera with high color reproducibility including improved wavelength resolution and color saturation

## Product Line-up

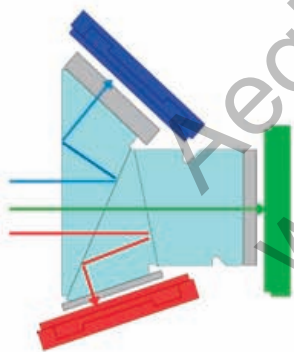
Model	Monochrome/Color	Resolution	Frame Rate	Effective Pixels (H x V)	Sensor Size	Cell Size (μm)	Sensor	Lens Mount	General Specifications
STC-ST5502CXP122*	Color (3CMOS Prism RGB)	5M	109.2 fps	2448 x 2048	1/1.8	2.74 x 2.74	IMX548	C	PoCXP, 2-lane CXP12

\*. Coming soon.

## Accessories

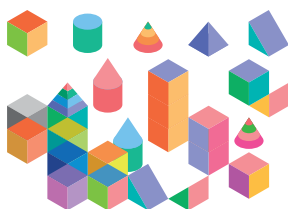
Power Supply and I/O Cables	
Model	Length
FJ-VSP2 3M	3 m
FJ-VSP2 5M	5 m
FJ-VSP2 10M	10 m

## Principle of prism spectrography



- The blue component is reflected by the first prism (wavelength selection) and then totally reflected before entering the image sensor.
- The red component is reflected by the second prism and then totally reflected before entering the image sensor.
- The remaining light, which is the green component, enters the image sensor.

## RGB Color System

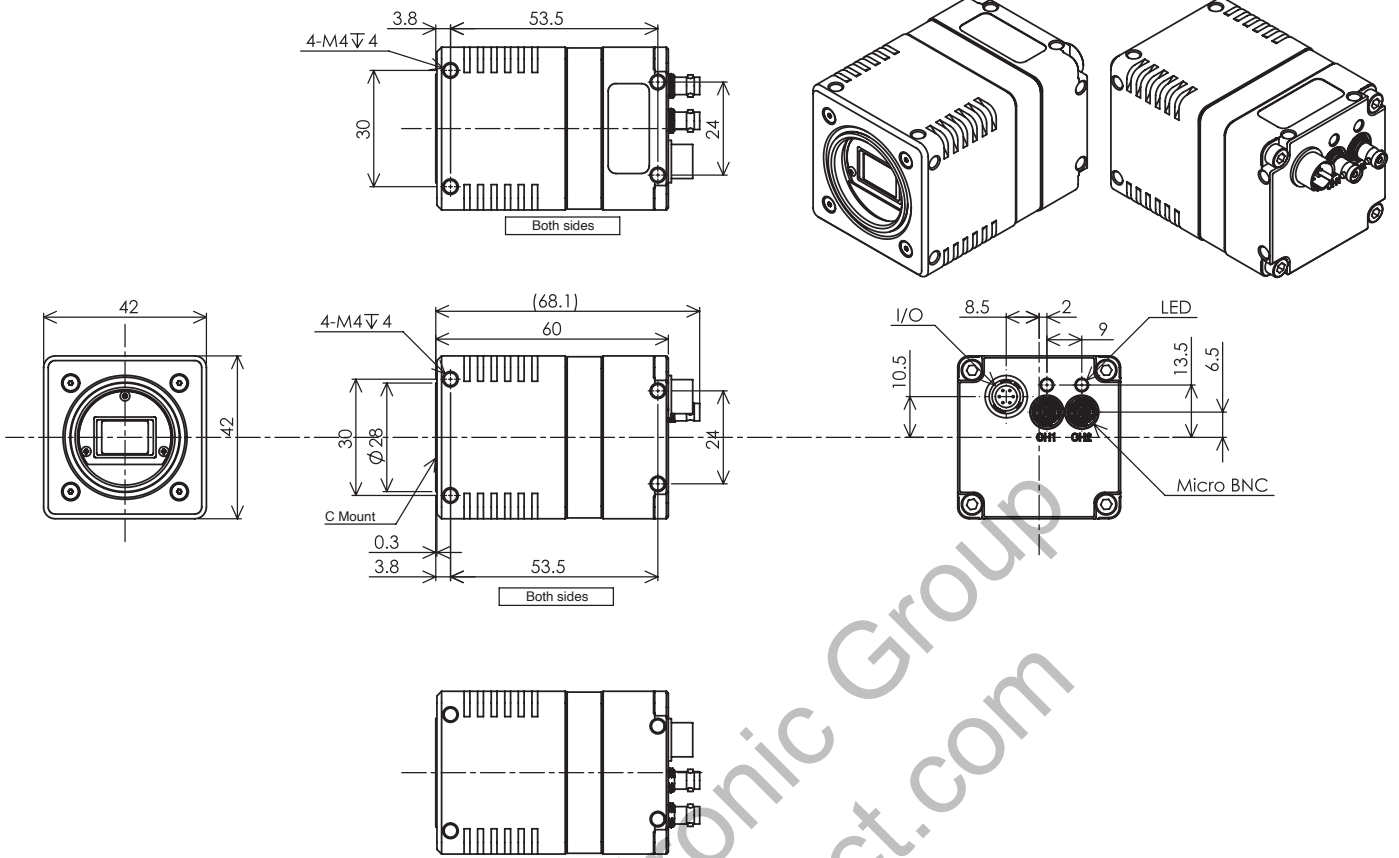


- R, G, and B are independently imaged with monochrome sensors, delivering improved noise resistance compared with Bayer sensor cameras.
- No need for RGB conversion from Bayer
- Features can be controlled for R, G, and B independently

3CMOS

**Drawing dimension**

STC-ST502CXP122



Aegis Electronic Group  
www.aegiselect.com

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