

**BV-C3510CL Wide Spectral Range Line Scan Camera BTO**

The BV-C3510CL is a wide spectral range line scan camera covering wavelength from visible area to SWIR area.



The BV-C3510CL uses an exclusively designed beam splitter and equips two line scan sensors, one for visible wave length and the other for Short Wave Infrared area. The BV-C3510CL covers wide range of wave length from 400nm to 1900nm.

It is possible to inspect objects in wide wave length with the same optical axis.

BV-C3510CL is a build-to-order product.

Item		Specifications
Line sensor	Visible	Effective Pixel: 4096pixels, Pixel size : 7 μ m \times 7 μ m Effective image length : 28.672mm \times 1
	SWIR	Effective Pixel : 512pixels, Pixel size : 25 μ m \times 25 μ m Effective image length : 12.8mm \times 1
Optical system		Beam splitter (F 2.8)
Wave length	Visible	400nm \sim 900nm
	SWIR	1100nm \sim 1900nm
Synchronization		Internal / External trigger
Pixel clock	Visible	80MHz
	SWIR	5MHz
Line rate	Visible	55.45 μ s (Internal), Adjusting range : 55.45 μ s \sim 1sec
	SWIR	123 μ s (Max.), Exposure time + 105.2 μ s
S/N		55dB (Gain=Low)
Electronic shutter	Visible	Adjusting range : 10 μ s \sim 100ms Variable unit: 12.5ns
	SWIR	Adjusting range : 17.8 μ s \sim 100ms Variable unit: 12.5ns
Gain	Visible	-3dB \sim +12dB
	SWIR	0dB \sim +24dB
Shading compensation		Flat shading compensation
Video output		Camera Link 10bit \times 2, Base configuration \times 1
Operating mode		Shutter mode (Internal / External trigger)
Trigger input		Hirose12P: TTL, Camera Link: LVDS(CC1)
Sync output		XEEN(Hirose12P), LVAL,DVAL,EEN(Camera Link)
Communication interface		Camera Link: EIA644, 9600bps, 115200bps selectable
Lens mount		M52, Flange back: 46.5mm Tolerance: 0 \sim - 0.05mm
Power supply		DC12V \pm 10%
Operating Temperature / Humidity		-5 $^{\circ}$ C \sim +45 $^{\circ}$ C / 20% \sim 80% (no condensing)
Dimensions (W \times H \times D)		95 \times 95 \times 95mm (excluding protrusion)
Weight		820g

- Specifications are subject to change without notice.
- This product is in the scope of Export Trade Control Order and requires Export License etc.

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