



BV-C3500 Wide Spectral Range Line Scan Camera

BV-C3500 is a wide spectral range line scan camera covering wave length from visible area to SWIR area.



BV-C3500 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. BV-C3500 covers wide range of wave length from 400nm to 1600nm. It is possible to inspect objects in wide wave length with the same optical axis.

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		400nm \sim 1600nm
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
	SWIR	Adjusting range : 17.8 μ s \sim 100ms
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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