



## BV-C3350 Bi-Focal Line Scan Camera

BV-C3350 is a line scan camera which focuses on different focal planes to find dust or scratches on each surface.



BV-C3350 uses a beam splitter and two line sensors which each sensor has different focal points. Therefore, BV-C3350 can get two images with the different focal points at the same time and with the same field of view. This function will be convenient for a glass cover investigation on surface and inside, for instance. As BV-C3350 sets the sensor position based on customer applications, this is a custom-made product.

Item	Specifications
Line sensor	Effective pixels: 4096 pixels, Pixel size: 7 $\mu$ m x 7 $\mu$ m Effective image length: 28.672mm x 2 pieces
Optical system	Beam Splitter (F 2.8)
Wave length	400nm ~ 700nm
Synchronization	Internal / External trigger
Pixel clock	84MHz
Line rate	55 $\mu$ s (Internal), Adjusting range: 55.45 $\mu$ s ~ 100msec
Line frequency	18.2kHz (Internal)
Sensor sensitivity	64V/( $\mu$ J/cm <sup>2</sup> ) Quantum efficiency: 90%, at 550nm
S/N	55dB (Gain=Low)
Electronic shutter	Adjusting range: 9.52 $\mu$ s ~ 100ms
Gain	Both Ch1,2 : 0 ~ 31x (1/512 step)
Black Level	Both Ch1,2 : 0 ~ 127LSB (at 10bit output)
Shading compensation	Flat shading
Video output	Camera Link 8/10bit Base configuration x1
Operating mode	Shutter mode (Internal and External trigger) Non-Shutter mode (Internal and 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-0.05mm
Power supply	DC12V $\pm$ 10%
Operating temperature / humidity	-5 $^{\circ}$ C ~ +45 $^{\circ}$ C / 20% ~ 80% (no-condensing)
Dimensions (WxHxD)	95 x 95 x 95mm (Excluding protrusion)
Weight	820g

Associated lens: BV-L1020, BV-L1024, BV-L1028, BV-L1035, BV-L1050, BV-L1105

■ Specifications are subject to change without notice.

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