LV-B Series is high speed digital line scan camera of EIA-644 and Camera Link[™] Type. This provides high performance compensating non-uniformity of sensor defects and illumination to improve the quality of inspection precision.

The compact size makes it very convenient to mount on the equipment in a limited space.

Its applied results and certified reliability support the best vision solutions for the equipments of semiconductors and industrial inspection .

Specifications

Image: series of the series	ITEM	LV-B404CL
Pixel Size10um x 5umPixel Rates28.636MHzMax. Line RatesMax.13.6KHzVideo Output TypeCamera Link TM Video Output Format8bit OutputsFPN $\pm 2\%$ (Normal)Gain RangeTotal range:2~36dB Control range:12dB/0x170~26dB/0x2EEGain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Pixel Number	4,080 pixels(2,040 x 2Tap)
Pixel Rates28.636MHzMax. Line RatesMax.13.6KHzVideo Output TypeCamera Link™Video Output Format8bit OutputsFPN±2% (Normal)Gain RangeTotal range:2~36dB Control range:12dB/0x170~26dB/0x2EEGain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Sensor Type	Linear CCD
InterfactInterfactMax. Line RatesMax.13.6KHzVideo Output TypeCamera Link™Video Output Format8bit OutputsFPN±2% (Normal)Gain RangeTotal range:2~36dB Control range:12dB/0x170~26dB/0x2EEGain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Pixel Size	10um x 5um
Video Output TypeCamera Link™Video Output Format8bit OutputsFPN±2% (Normal)Gain RangeTotal range:2~36dB Control range:12dB/0x170~26dB/0x2EEGain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Pixel Rates	28.636MHz
Video Output FormatBbit OutputsVideo Output Format8bit OutputsFPN±2% (Normal)Gain RangeTotal range:2~36dB Control range:12dB/0x170~26dB/0x2EEGain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Max. Line Rates	Max.13.6KHz
FPN±2% (Normal)Gain RangeTotal range:2~36dB Control range:12dB/0x170~26dB/0x2EEGain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Video Output Type	Camera Link™
Gain RangeTotal range:2~36dB Control range:12dB/0x170~26dB/0x2EEGain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Video Output Format	8bit Outputs
Gain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	FPN	±2% (Normal)
Gain Step382 stage (refer to control s/w)SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Gain Range	Total range:2~36dB
SynchronizationExternal Trigger or Free runExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W		Control range:12dB/0x170~26dB/0x2EE
Exposure ControlEnabledExposure ControlEnabledSerial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Gain Step	382 stage (refer to control s/w)
Serial I/FRS-232C Built in (inside CL Board)Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Synchronization	External Trigger or Free run
Lens MountF MountBack Focal Length46.5mmHousing Size(W x H x L)74 x 74 x76.4Power Source15VDCPower Consumption<5.5W	Exposure Control	Enabled
Back Focal Length 46.5mm Housing Size(W x H x L) 74 x 74 x76.4 Power Source 15VDC Power Consumption <5.5W	Serial I/F	RS-232C Built in (inside CL Board)
Housing Size(W x H x L) 74 x 74 x76.4 Power Source 15VDC Power Consumption <5.5W	Lens Mount	F Mount
Power Source 15VDC Power Consumption <5.5W	Back Focal Length	46.5mm
Power Consumption <5.5W	Housing Size(W x H x L)	74 x 74 x76.4
Operating Temperature 0 ~ +45 Operating Humidity Max. 70% Weight approx. 440g Alignment Accuracy d :< ±0.2 °	Power Source	15VDC
Operating HumidityMax. 70%Weightapprox. 440gAlignment Accuracyd :< ±0.2 °	Power Consumption	<5.5W
Weightapprox. 440gAlignment Accuracyd :< ±0.2 °	Operating Temperature	0 ~ +45
Alignment Accuracy d :< ±0.2 ° dx/dy:< ±0.3mm	Operating Humidity	Max. 70%
dx/dy:<±0.3mm	Weight	approx. 440g
	Alignment Accuracy	d :< $\pm 0.2^{\circ}$
Regulatory Compliance CE		dx/dy:<±0.3mm
	Regulatory Compliance	CE

Specifications	
ITEM	LV-B408CM
Pixel Number	8.160 pixels(2,040 x 4Tap)
Sensor Type	Linear CCD
Pixel Size	5um x 5um
Pixel Rates	57.27272MHz
Max. Line Rates	Max.13.6KHz
Video Output Type	Camera Link™
Video Output Format	8bit Outputs
FPN	±2% (Normal)
Gain Range	Total range:2~36dB
	Control range:12dB/0x170~26dB/0x2EE
Gain Step	382 stage (refer to control s/w)
Synchronization	External Trigger or Free run
Exposure Control	Enabled
Serial I/F	RS-232C Built in (inside CL Board)
Lens Mount	F Mount
Back Focal Length	46.5mm
Housing Size(W x H x L)	74 x 74 x76.4
Power Source	15VDC
Power Consumption	<5.5W
Operating Temperature	0 ~ +45
Operating Humidity	Max. 70%
Weight	approx. 440g
Alignment Accuracy	d :<±0.2 °
	dx/dy:<±0.3mm
Regulatory Compliance	CE

Dimension (LV-B404CL _ LV-B408CM)

