LD2000　　　LVDS　　　　　CCD
LD2000 Series LVDS B/W Line Scan CCD Cameras

(Overview)

高性能、低成本、LVDS总线接口
High Performance, Low Cost, LVDS Interface

LD2000	CCD	2048~7450
CCD	LVPCI	
LD2000	AFE	AD
8bit/12bit		RS-232
Windows		

The LD2000 series line scan cameras offers superb image sensing quality, versatility and easy implementation. This series of products, has a compact mechanical design and incorporates monochrome or color linear sensors from 2048 to 7450 pixels, fully compatible with our LVPCI series PCI frame grabber. The programmable settings via RS-232 let the user work at different integration time, gains and offsets. The external trigger enable synchronization of several cameras.

The performance and reliability of this series of products make it well-suited for most demanding industrial applications, from web inspection to document scanning, from surface inspection to metrology.

(Features)

- 2048~7450　　　　　(2K~7.5K resolution);
- EIA-644 LVDS　　　(EIA-644 LVDS data interface);
- 40M　　/s　　　　　(High data rate up to 40MPixels/s);
- 　　　　　　(Compact design);
- RS-232　　　　　(Flexible RS-232 control);
- 　　　　(Variable lens mount available);
- 　　　　(Ext. sync.)

(Programmability)

- 　　　　　　　(Adjustable integration time and line rate);
- 　　　　　　　　(Digital gain and offset control);
- 　　　　(Test image output);
- 　　　　(Internal/Ext. sync);

(Typical Applications)

- 　　　　(Glass surface inspection);
- 　　　(AOI electronics manufacturing);
- 　(Sorting machines);
- 　　(Intelligent traffic systems);
- 　　　(Document scanning and imaging);
- 　　　(High-speed metrology);
- 　　(Spectral analysis);
- 　(College & study);

(Specifications)

(Resolution)	2048 / 7450
(Pixel Size)	14×14 / 4.7×4.7 (μm×μm)
(Data Rate)	20MHz to 40MHz
(MAX. Line Rate)	9.4KHz / 5.2KHz
(Data Format)	8bit / 12bit
(Output)	8bit Parallel LVDS
(Gain Range)	0dB to 24dB with 10bit resolution
(Offset Range)	-300mV to +300mV with 8bit resolution
(Lens Mount)	F Type / K Type / M42×1 Type / C Type
(Power Supply)	+12V/+5V dual power input
(Power Dissipation)	<3W
(Operating Temp.)	0　to 50
(Size)	60mm(W)×60mm(H)×40mm(L)
(Mass)	<300g
(Power Connector)	Hirose 4 pin compatible
(Data Connector)	MDR26 LVDS
RS-232 (RS-232 Connector)	Hirose 3 pin compatible

内容变更恕不另行通知 This Data Sheet is Subject to Change Without Notice.

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(Order Info)

Order Number	Resolution	Pixel Size (μm×μm)	Data Rate	MAX Line Rate	Data Format	Power Supply	Sensor Type
LD2112B-2048	2048	14×14	20MHz	9.4KHz	12bit	+12V and +5V	B/W CCD
LD2108B-2048	2048	14×14	20MHz	9.4KHz	8bit	+12V and +5V	B/W CCD
LD2208B-7450	7450	4.7×4.7	40MHz	5.2KHz	8bit	+12V and +5V	B/W CCD

(Mechanical)   (Unit): mm