



CLS-8k-M39

CMOS Line Scan Camera

8192 7.0 μ m PIXEL



The CLS-8k CMOS Line Scan Camera provides maximum speed and resolution at the industries best value. Available in monochrome and color, which is ideally suited for document scanning and the inspection of large-area flat panel displays.

The CLS-8k-M39 delivers 39 kfps at 8k resolution by using the ams/CMOSIS DR-8k-7 global shutter CMOS sensor. With advanced power control, the illunis CLS-8k can be used in large arrays with confidence. On board user data storage provides customization for advanced applications.

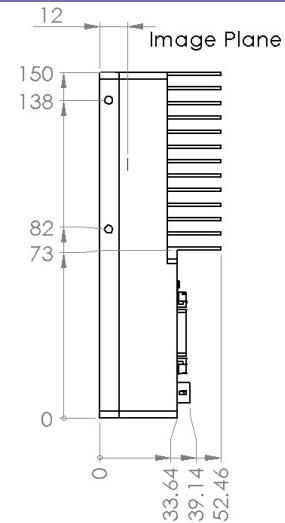
CLS-8k-M39 HIGHLIGHTS

- ✓ 8192 7.0 μ m active pixels
- ✓ 39 kfps at full resolution
- ✓ Monochrome and Color, 8, 10, 12 bit output
- ✓ Global Shutter CMOS
- ✓ 100% fill factor
- ✓ Camera Link output: medium
- ✓ Pre-emphasis for 10m cables
- ✓ Field updatable firmware
- ✓ Field updatable flat field correction
- ✓ M72 x 0.75 Lens Mount

CLS-8k-M39 SPECIFICATIONS

Sensor	ams/CMOSIS DR-8k-7
Architecture	Global Shutter Linear CMOS
Configuration	Monochrome and Color, 39 kfps
Active Pixels	8192 + 32 Dark
Pixel Size	7.0 x 7.0µm
Active Image Size	57.344 mm
Output	CL Medium Mode 8, 10, 12 bit
Frame Rates (Camera Link)	39 kfps: Medium
Dynamic Range	~64dB
Clock Speed	85 Mhz
Full Well Charge	>46Ke
Responsivity	77-310 DN/nj/cm2
Anti-blooming	100x minimum
Dark Current	3 e-/ms at room temperature
Power	10-15VDC at < 13W
Exposure Modes	Free Run, Triggered Program, Triggered Manual
Mount Options	M72 x 0.75 OEM configuration Custom
Defect Correction	Flat Field Column gain and offset
Options	Call for OEM options

DIMENSIONS



APPLICATIONS

- ✓ FLAT PANEL INSPECTION
- ✓ PCB INSPECTION
- ✓ DOCUMENT SCANNING
- ✓ PRINTING AND PACKAGING

All illunis cameras come with our free camera control software, which allows interactive setup of all camera parameters.



Get in Touch

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