



CLS-8k-M77

CMOS Linescan Camera

8192 7.0µm PIXEL



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

The CLS-8k-M77 delivers 77 klps at 8k resolution by using the 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.

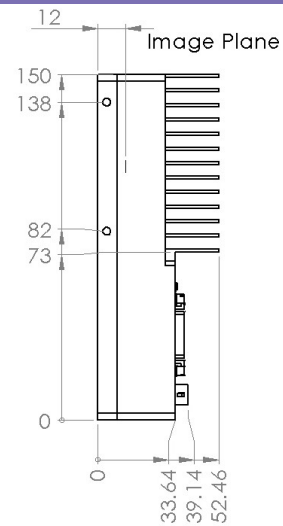
CLS-8k-M77 HIGHLIGHTS

- ✓ 8192 7.0µm active pixels
- ✓ 77 klps at full resolution
- ✓ Monochrome, 8 bit output
- ✓ Global Shutter CMOS
- ✓ 100% fill factor
- ✓ Camera Link output: full format, dual format
- ✓ Pre-emphasis for 10m cables
- ✓ Field updatable firmware
- ✓ Field updatable flat field correction
- ✓ M72 x 0.75 Lens Mount

CLS-8k-M77 SPECIFICATIONS

Sensor	CMOSIS DR-8k-7
Architecture	Global Shutter Linear CMOS
Configuration	Mono, 77 klps
Active Pixels	8192 + 32 Dark
Pixel Size	7.0 x 7.0µm
Active Image Size	57.344 mm
Outputs	8 Digital output from sensor, Output as 8bits
Frame Rates (Camera Link)	77 klps: Single Full
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

✉ info@illunis.com



CONTACT US

illunis, LLC
14700 Excelsior Boulevard
Minnetonka, MN 55345 USA

☎ +1.952.975.9203
 📠 +1.952.294.8308 (fax)
 ✉ info@illunis.com
 🌐 www.illunis.com