



# CLS-8k-M77

CMOS Linescan Camera

**8192 7.0µm PIXEL**



*The CLS-8k CMOS Linescan Camera provides maximum speed and resolution at the industry's 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 77klps 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
- ✓ 77klps at full resolution
- ✓ Monochrome, 8 bit output
- ✓ Global Shutter CMOS
- ✓ 100% fill factor
- ✓ Camera Link Single and Full
- ✓ Pre-emphasis for 10m cables
- ✓ Field updatable firmware
- ✓ Field updatable flat field correction
- ✓ M72 x 0.75 Lens Mount

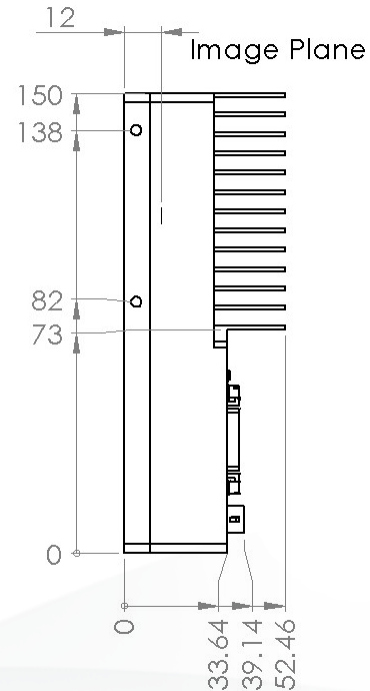
## CLS-8k-M77 SPECIFICATIONS

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

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



## DIMENSIONS



## APPLICATIONS

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

# Get in Touch

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