



# CLS-16k-M55

CMOS Linescan Camera

**16,384 3.5µm PIXEL**



*The CLS-16k 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-16k-M55 delivers 55 kfps at 16k resolution by using the ams/CMOSIS DR-16k-3.5 global shutter CMOS sensor. With advanced power control, the illunis CLS-16k can be used in large arrays with confidence. On board user data storage provides customization for advanced applications.

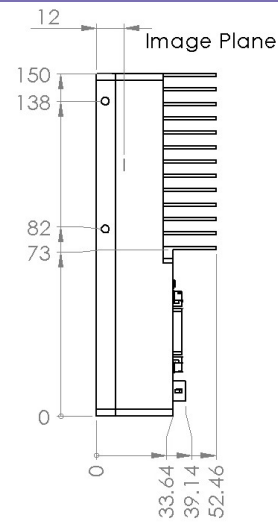
## **CLS-16k-M55 HIGHLIGHTS**

- ✓ 16,384 3.5µm active pixels
- ✓ 55 kfps 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-16k-M55 SPECIFICATIONS

<b>Sensor</b>	ams/CMOSIS DR-16k-3.5
<b>Architecture</b>	Global Shutter Linear CMOS
<b>Configuration</b>	Mono, 55 kfps
<b>Active Pixels</b>	16,384 + 64 Dark
<b>Pixel Size</b>	3.5 X 3.5µm
<b>Active Image Size</b>	57.344 mm
<b>Outputs</b>	16 Digital output from sensor, Output as 13 bits
<b>Frame Rates</b> (Camera Link)	55 kfps: Dual Full 28 kfps: Single Full
<b>Dynamic Range</b>	~64dB
<b>Clock Speed</b>	85 Mhz
<b>Full Well Charge</b>	>23Ke
<b>Responsivity</b>	39-155 DN/nj/cm2
<b>Anti-blooming</b>	100x
<b>Dark Current</b>	3.2 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

## 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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### CONTACT US

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