

Omek Optics

*Industrial Microscopy
Optical Engineering*

The Pinky: A Miniature Microscope

www.omekoptics.com

10 Genosar; Givat Ella 36570; Israel



Fields of Operation

- *Design and Fabricate OEM Industrial Microscopes.*
- *Optical Engineering.*
- *Optical Design.*

Pinky-U : Miniature Microscope

Size comparable to mouse.



Pinky – Main Spec Highlights

Specifications:

Object Side NA	0.12
Object Size	2.4 x 4.2 mm (Diagonal 4.8mm)
Working Distance	PinkyU-5x: 5.9mm
	PinkyL-5x: 20.6mm
Resolution	< 2.0 microns
Distortion	Less than 0.01%
Overall Weight	260 Gram
Spectral Range	Visible - NIR
Illumination	Bright Field LED - Kohler Layout
	Transmitted Light Option
Ave. Telecentricity	Less than 2 mRad
Options:	a) Auxiliary Port (for Laser, Auto Focus, Spectrometers, Vibrometers)
	b) Dark Field Ring Illumination
	c) Filter/Polarizer Option in Illumination Arm.
	d) Analyzer/Filter Option in Imaging Arm.

Dimensions and Specifications may change.

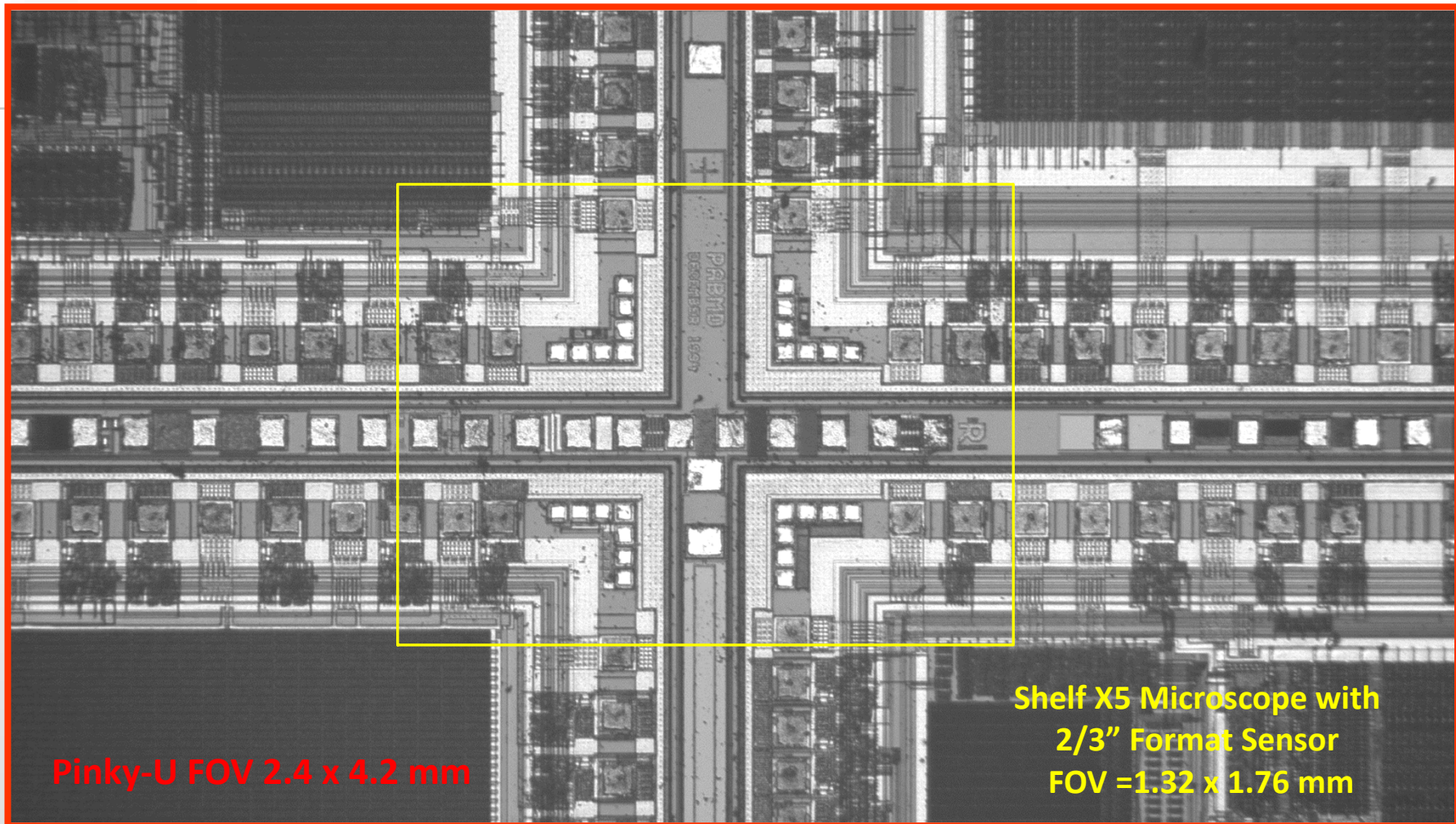


Omek Optics

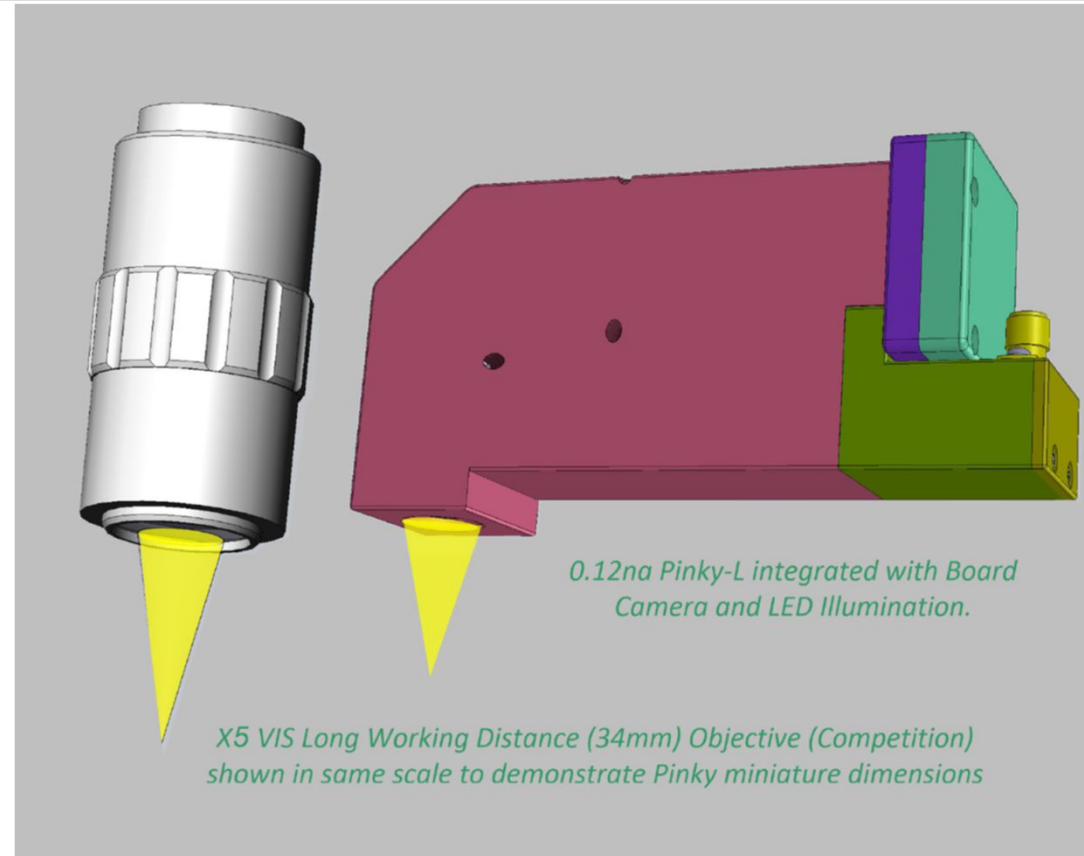
Sample Applications

- ❖ *Semiconductors, PCB, FPD, Solar Cells, LED, MEMs*
- ❖ *Gem Evaluations*
- ❖ *Robotics*
- ❖ *BioMed:*
 - Fluorescence, Phase Contrast, Cell Imaging, Compact Portable Diagnostic Instruments.*

Pinky-U Image (Red Border) Diagonal is 4.8mm; Yellow Rectangle Compares to Image size with standard x5 microscope and using a 2/3" Format Sensor.



Pinky-L : Small Navigation Microscope (Large WD ~ 21mm).



Pinky-L with Laser Port

Applications: Auto-Focus, Spectrometer, Vibrometer



As powerful as it is....it is SMALL

