

# Industrial Contact Image Sensors TiVi CIS IV

## High-Performance monochrome CIS-Sensor

Lesebreite von 520 bis 3640 mm

Sehr lichtempfindlich, Zeilenraten bis 45 kHz

Hohe Ortsauflösung von 200, 300, 400 oder 600 dpi

Mit Pixelkorrektur

Robuste Monochrom CIS Sensoren

Mit integrierter Optik und Beleuchtung

Sensor Length 520 up to 3640 mm

Very sensitive, Line rates up to 45 kHz

High Spatial Resolution 200, 300, 400 or 600 dpi

Flat Field Correction

Rugged Monochrome CIS Sensors

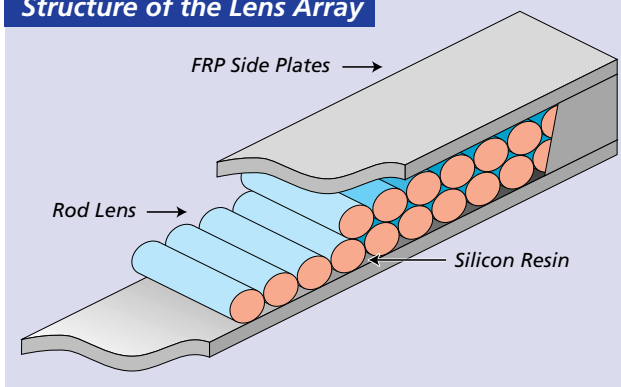
Built-In Optics and Light Source



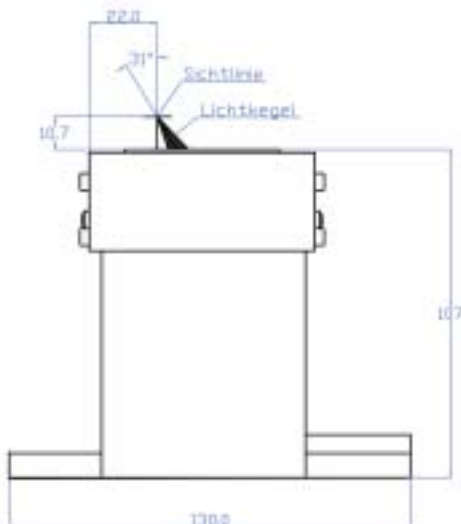
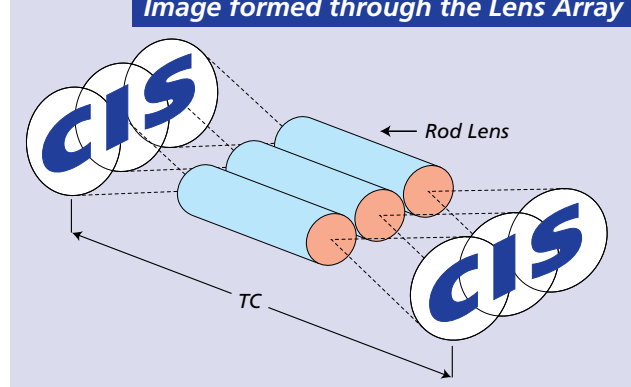
## Tichawa Vision CIS IV – Specifications

Effective Sensor Length (mm)	520 up to 3640
Max. Line rate (kHz)	15 standard, 45 on demand
Resolution (dpi)	200 or 400 standard, 300 or 600 on demand
ADC Resolution	10 bit
Total Pixels	4096 up to 57344 standard, 86016 on demand
Pixel Spacing (µm)	approx. 127 (200 dpi), 63 (400 dpi), 42 (600 dpi), 84 (300 dpi)
Data Rate (MPixel/s)	60 up to 2800
Built-In Pixel / Flat Field Correction	Yes
Trigger	yes
Expo Ctrl	yes
Camera Link Shading	1 up to 14 Connectors, BASE Configuration
Power Supply (VDC)	+24
Optical Port	not required
Mechanical Dimensions (W x L x H)	780 up to 3401 x 73 x 107 mm
Operation Temp. Range	5 ... 40°C (below 15°C heating of the window might be required)
CE approval	yes
Working distance	8 - 10 mm

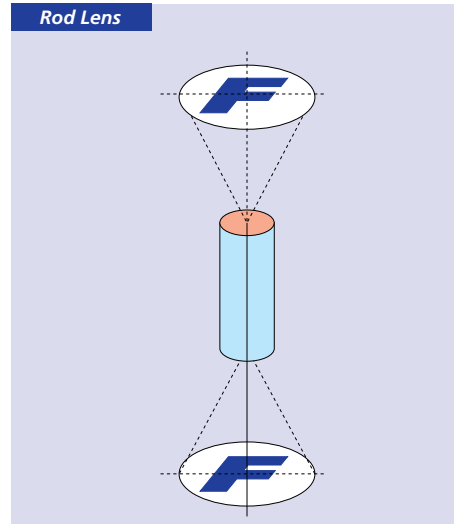
**Structure of the Lens Array**



**Image formed through the Lens Array**



**Rod Lens**



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