

# TUBE CIS für Rohrinspektion

CIS Sensor für Rohrinspektion – innen und außen  
CIS Sensor for Pipe Inspection – Interior and Exterior surface

- Kompakter CIS Sensor mit Optik und Lichtquelle
- Identische Bildqualität an Innen- und Außenwand
- Auflösung 200, 300, 400 oder 600 dpi
- Variante mit abgesetztem Kopf
- Zeilenraten bis 9 kHz für Umfangsgeschwindigkeiten bis 1,125 m/sec
- Verschiedene Beleuchtungen wählbar
- Außendurchmesser 18 oder 29 mm
- Kundenspezifische Lösungen



- Compact CIS Sensor including optics and light source
- Identical image quality for inner and outer surface
- Resolution 200, 300, 400 or 600 dpi
- Two-Piece Design
- Line Rates up to 9 kHz allow scan speeds up to 1.125 m/sec
- Different lighting options available
- Outer Diameter 18 or 29 mm
- OEM solutions

Tichawa *Vision* GmbH



## Tichawa Vision TUBE CIS for Pipe Inspection – Specifications

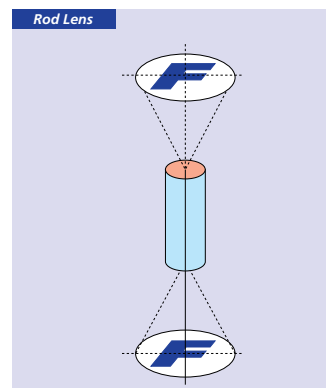
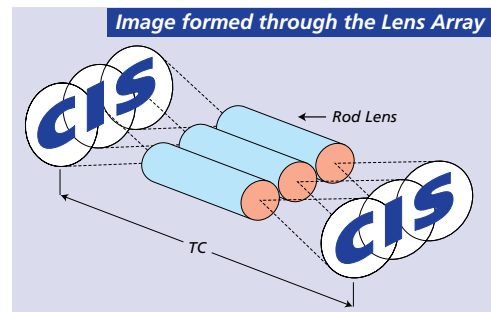
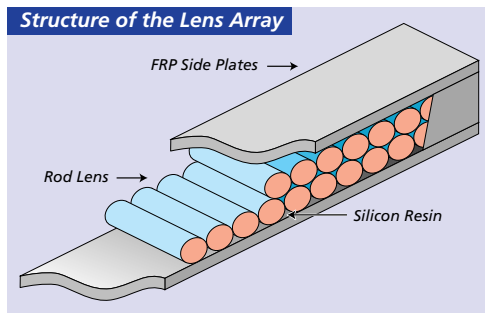
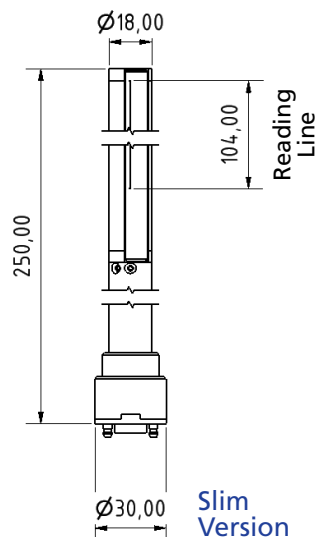
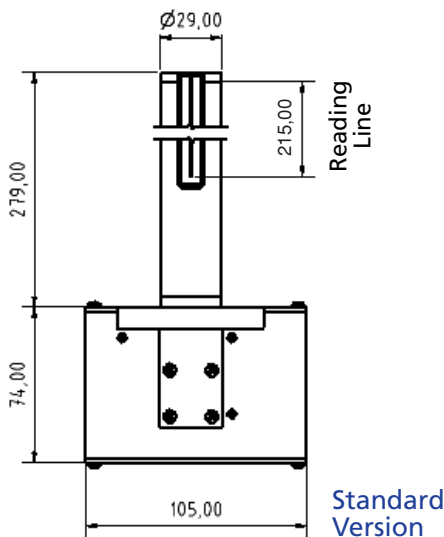
Effective Sensor Length	130 - 260 mm
Max. Line rate	up to 9 kHz
Resolution (dpi nom.)	200, 300, 400, 600
ADC Resolution	10 bit
Pixel Spacing	0,125 µm - 0,0423 mm
Data Rate	9,2 - 18,4 Mpixel/s
Built-In Pixel/Flat Field Correction	yes
Trigger	over CL
Expo Ctrl	internal
Camera Link Connection	1 Connector BASE Configuration
Power Supply (VDC)	+ 24
Optical Port	not required
Mechanical Dimensions (D x L)	18-30x250 mm (Slim Version), 29 x 279 mm + E-Box (Standard)
Operation Temp. Range	5 ... 40°C (below 15°C heating of the window might be required)
CE approval	yes
Working distance (mm nom.)	1 mm nom.

### Zusatzoptionen:

- Interne zweiseitige Beleuchtung
- Externe Beleuchtung
- Passive/Aktive Luftkühlung
- Flüssigkeitskühlung
- Individuelle Lesebreiten
- Geometriekorrektur
- Kundenspezifische Lösungen

### Additional options:

- Internal two sided illumination
- External illumination
- Air cooling/Forced Air cooling
- Liquid cooling
- Special Scan Widths
- Geometry correction
- OEM solutions



Tichawa Vision GmbH



Burgwallstraße 14 · 86316 Friedberg · Germany  
 Telefon: +49 (0) 821 455 553 0 · Fax: +49 (0) 821 455 553 20  
 E-Mail: info@tichawa.de · www.tichawa-vision.com