

# FOculus

Always a new perspective



## FO1631TC

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[www.net-gmbh.com](http://www.net-gmbh.com)

### IEEE1394 Digital CMOS Camera

- 1/2" CMOS Image Sensor
- Resolution 2048 (H) x 1536 (V) 3 Megapixel
- IEEE1394.a acc. IIDC v.1.31 Interface
- FO1631TC = Color
- External Trigger
- Camera setting via IEEE1394 Interface
- High Speed Up Trigger Framerate
- Tiny casing 29 mm x 29 mm x 39 mm
- Application:
  - Machine Vision
  - Factory Automation
  - Quality Control
  - Semi Con Inspection
  - Microscopy + Medical
  - Barcode, OCR, OCV
- Free Application Software and SDK

  
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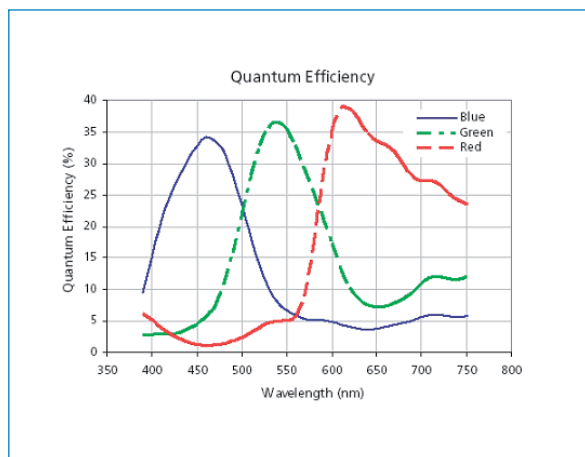
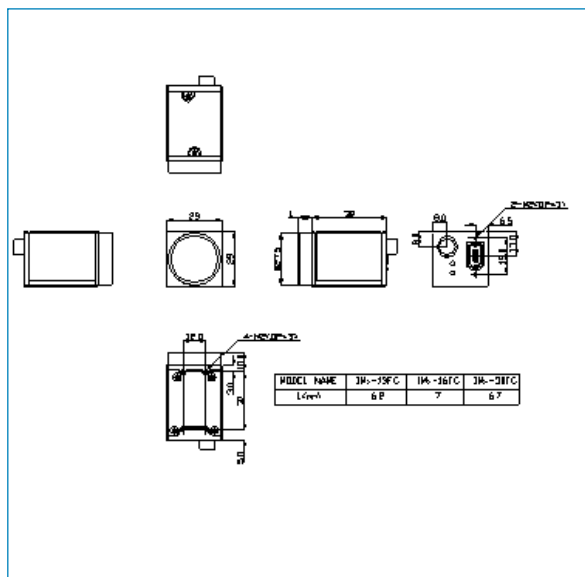
# Technical Data

# FO1631TC

CMOS

FO1631TC

Image Sensor	1/2"MT9T031	
Effective Pixel	2048 (H) x 1536 (V), 3 MP	
Data Path	8 or 10bit Raw RGB / YUV422	
Cell Size	3.2 (H) x 3.2 (V) $\mu\text{m}$	
Frame Rate (fps)	10 fps	
Lens Mount	C- / CS-. mount	
Scanning System	Rolling Shutter	
Binning	2x2	
Format 7.	Partial Scan (Unit: 4x4)	
Trigger	Edge	Rising Edge or Falling Edge
	Mode	0
	Source	External Trigger or Software Trigger
Strobe	Active High, Support Normal Mode or Trigger Mode	
Memory Save/Load	16 Channels (0: factory, 1-4: feature, 5-15: mode/feature)	
Control Functions	Brightness, Sharpness, Gamma, Auto-Shutter, Pan/Tilt, U/B, V/R, Hue/G, White Balance	
SIO (RS-232)	IIDC v 1.31 version: Path through or NET command	
Digital Interface / Transfer Rate	IEEE1394 1 port(6 pin) / 400 Mbps	
Gain	0 ~ 63 digital gain (Manual or Auto)	
Shutter Speed	63 $\mu\text{sec}$ ~ 1 sec	
S/N Ratio	43 dB	
Dimension	29 (W) x 29 (H) x 39 (D) mm	
Operation	-5°C to +45°C	
Camera Specification	IIDC 1394-based Digital Camera Specification	



Spectral Sensitivity for FO1631TC

Accessories: • IEEE 1394 cable • SDK (Software Development Kit) • OHCI Card • Tripod Adapter Plate • Trigger Cable

## Contact

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