

# FOculus

Always a new perspective



## FO1421TC

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

### IEEE1394 Digital CCD Camera

- 1/3" Progressive Scan CMOS Image Sensor
- Resolution 1280 (H) x 1024 (V) SXGA
- IEEE1394.a acc. IIDC v.1.31 Interface
- FO1421TC = 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

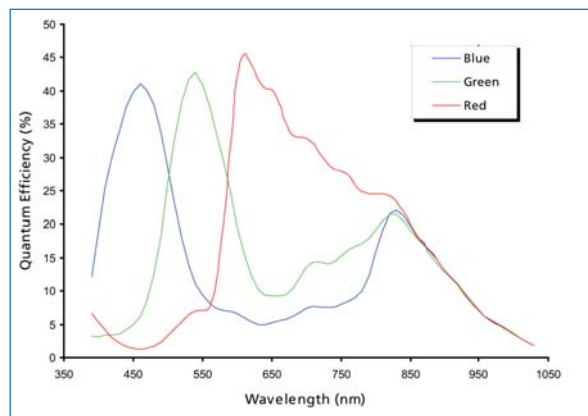
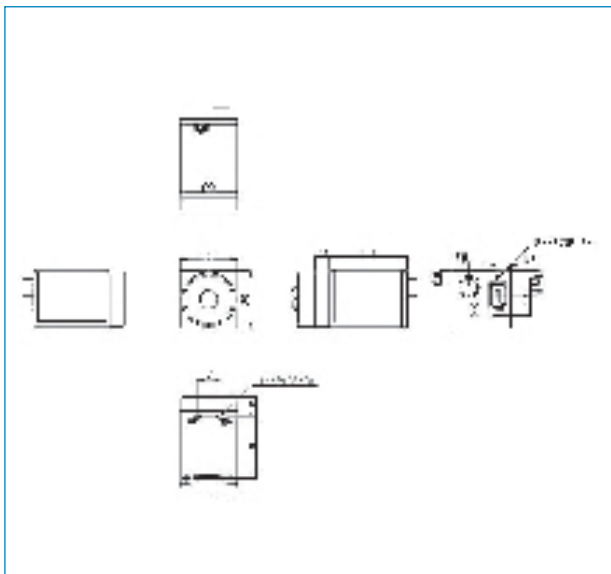
  
NEW ELECTRONIC TECHNOLOGY

# Technical Data

# FO

# 1421TC

FO1421TC		
Image Sensor	1/3"MT9M131	
Effective Pixel	1280 (H) x1024 (V) , SXGA	
Max. Resolution	1280 x 1024	
Cell Size	3.6 (H) x 3.6 (V) μm	
Frame Rate (fps)	11 fps	
Lens Mount	C-mount	
Scanning System	Progressive Scan	
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-Exposure, Auto-Shutter, Pan/Tilt U/B	
SIO (RS-232)	IIDC v1.31 version: Path through or NET command	
Frame Delay from Read-out	Min. 43μs	
Digital Interface / Transfer Rate	IEEE1394 1 port(6 pin) / 400 Mbps	
Gain	16 - 64	
Shutter Speed	32 μsec ~ 1 sec	
Data Depth	8 bit or 10 bit B/W / 8 bit or 10 bit B/W for Color	
S/N Ratio	63 dB	
Supply Voltage & Power	-8 VDC ~ 30 VDC	
Dimension	29 (W) x 29 (H) x 39 (D) mm	



Spectral Sensitivity for FO1421TCB

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

## Contact

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