

FOculus

Always a new perspective



FO1631TC

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www.net-gmbh.com

IEEE1394 Digital CCD Camera

- 1/2" Progressive Scan 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


NEW ELECTRONIC TECHNOLOGY

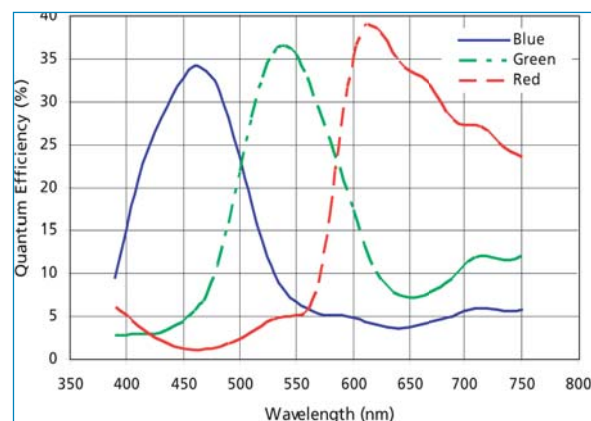
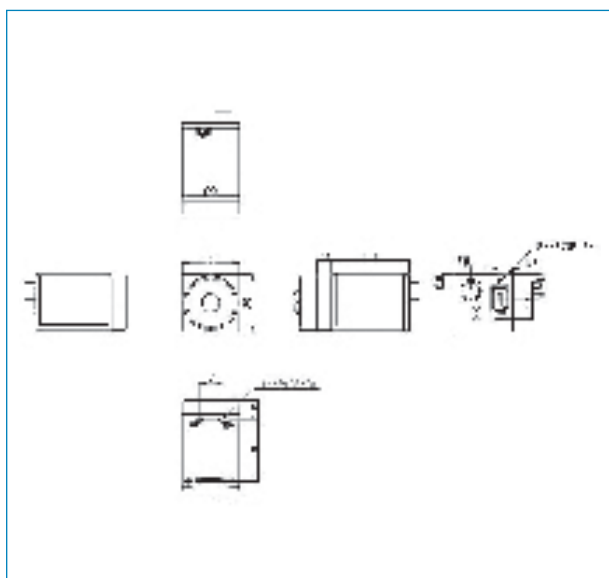
Technical Data

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Image Sensor	1/2"MT9T031	
EffectivePixel	2048 (H) x 1536 (V), 3 MP	
Max. Resolution	2048 x 1538	
Cell Size	3.2 (H) x 3.2 (V) μm	
Frame Rate (fps)	10 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. 43 μs	
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 FO1631TC

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

Contact

New Electronic Technology
Vertriebsgesellschaft mbH
Lerchenberg 7 • D-86923 Finning

Fon +49 8806 92 34-0
Fax +49 8806 92 34-77
info@net-gmbh.com
www.net-gmbh.com

NET USA, Inc.
3037 - 45th Street
Highland, IN 46322

Fon +1 219 934 90 42
Fax +1 219 934 90 47
info@net-usa-inc.com
www.net-usa-inc.com

NET Japan Co., Ltd.
8F Shin-Yokohama, Kohoku-ku,
Yokohama - shi 222-0033, JAPAN

Fon +81 45 478 1020
Fax +81 45 476 2423
info@net-japan.com
www.net-japan.com

