

FOculus

Always a new perspective



FO1433TB

FO1433TB

www.net-gmbh.com

IEEE1394 Digital CMOS Camera

- 1/2" CMOS Image Sensor
- Resolution 1280 (H) x 1024 (V) SXGA
- IEEE1394.a acc. IIDC v.1.31 Interface
- FO1433TB =B/W
- 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

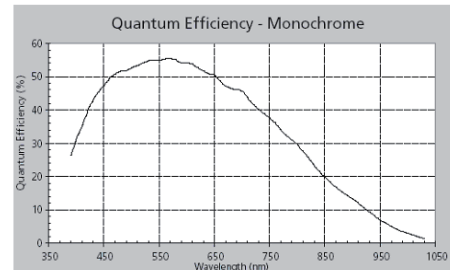
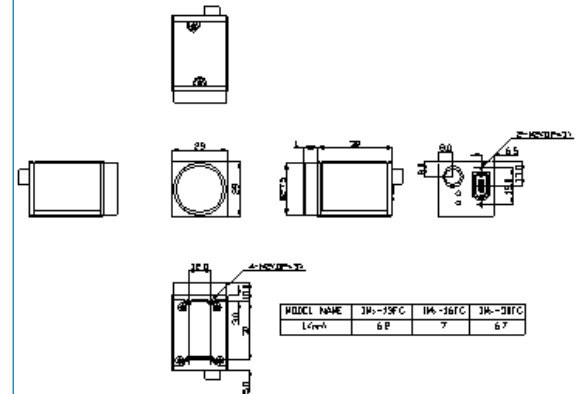
Technical Data

FO1433TB

CMOS

FO1433TB

Image Sensor	1/2" MT9M001	
Effective Pixel	1280 (H) x 1024 (V) , SXGA	
Data Path	8 or 10bit	
Cell Size	5.2 (H) x 5.2 (V) μ m	
Frame Rate (fps)	24 fps	
Lens Mount	C- / CS- mount	
Scanning System	Rolling Shutter	
Binning	Not supported	
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	
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	6 ~ 18dB (Manual or Auto)	
Shutter Speed	60 μ sec ~ 500 ms	
S/N Ratio	45 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 v. 1.31	



Spectral Sensitivity for FO1433TB

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

