

FOculus

Always a new perspective



FO1433TB

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IEEE1394 Digital CCD Camera

- 1/2" Progressive Scan 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

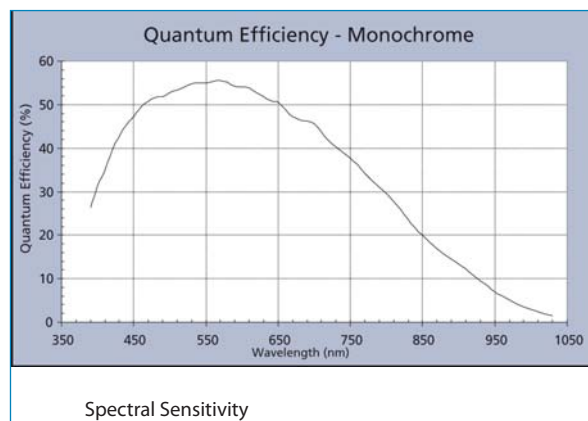
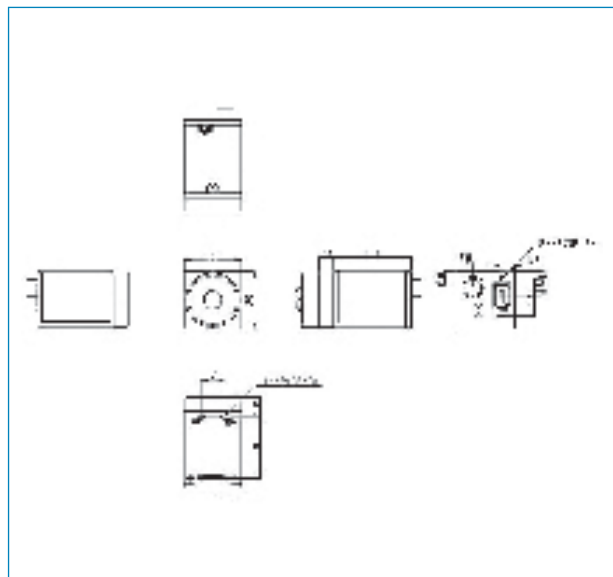

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NEW ELECTRONIC TECHNOLOGY

Technical Data

FO

1433TB

| FO1433TB | | |
|-----------------------------------|---|--------------------------------------|
| Image Sensor | 1/2"MT9M001 | |
| Effective Pixel | 1280 (H) x1024 (V) , SXGA | |
| Max. Resolution | 1280 x 1024 | |
| Cell Size | 5.2 (H) x 5.2 (V) μ m | |
| Frame Rate (fps) | 25.6 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 μ s | |
| Digital Interface / Transfer Rate | IEEE1394 1 port(6 pin) / 400 Mbps | |
| Gain | 16 - 64 | |
| Shutter Speed | 32 μ sec ~ 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 | -8VDC ~ 30 VDC | |
| Dimension | 29 (W) x 29 (H) x 39 (D) mm | |



Spectral Sensitivity for FO1433TB

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

Contact

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