

FOculus

Always a new perspective



FO124TB/TC

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www.net-gmbh.com

IEEE1394 Digital CCD Camera

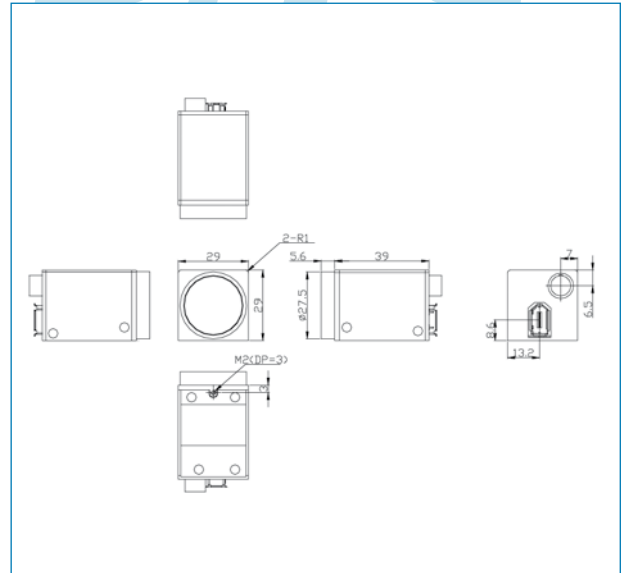
- 1/3" Progressive Scan CCD Image Sensor
- Resolution 330,000 (square pixel) VGA
- IEEE1394.a acc. IIDC v.1.31 Interface
- FO124TB =B/W • FO124TC =Color
- External Trigger
- Frame Rate 60fps
- Camera setting via IEEE1394 Interface
- Opto - Isolated I/O
- Tiny casing 29 mm x 29 mm x 39 mm
- Application:
 - Machine Vision
 - Factory Automation
 - Quality Control
 - Semi Con Inspection
 - Microscopy + Medical
 - Barcode, OCR, OCV
- Free Application Software and SDK


NEW ELECTRONIC TECHNOLOGY

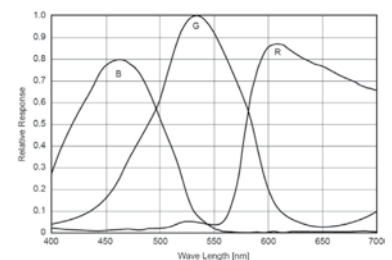
Technical Data

FO124TB/C

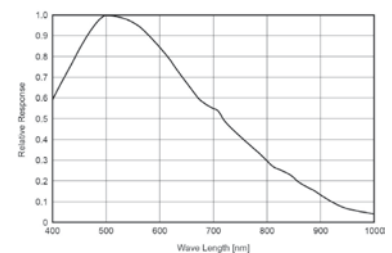
	FO124TB (B/W)	FO124TC (Color)
Image Sensor	1/3" IT CCD ICX424AL	1/3" IT CCD ICX424AQ
Effective pixel	330,000 pixel, 659 (H) x 494 (V) VGA	
Data Path	8bit or 12bit B/W	8bit or 12bit Raw RGB / YUV422
Pixel Size	7.40 (H) x 7.40 (V) μm	
Scanning System	Progressive Scan	
Frame Rate	60 / 30 / 15 / 7.5 / 3.75 / 1.875 fps	
Synchronization	Internal	
Digital Interface	IEEE1394a	
Software Interf.	Acc. IIDC v. 1.31	
Gain Control	Manual: 0 ~ 25 dB; Auto Gain	
Gamma	1.0	
Strobe Output	Yes	
S/N Ratio	56 dB or better	
Power Supply	+ 8 VDC to + 30 VDC via the IEEE1394 cable	
Transfer Rate	400 Mbps	
Trigger Mode	Software or External Trigger / Mode 0 ~ 5; 14	
Shutter Speed	Manual: 1 μsec ~ 65 sec; Auto Shutter	
Advanced Features	Pixel Binning (only B/W); RS232 (SIO/Pass through); ROI; One Shot & Multi Shot; Multi Camera Auto Sync; Opto-Isolated I/O	
Operating Temperatur	- 5°C to + 45°C	
Regulations	FCC, CE, RoHS	
Lens Mount	C-mount	
Dimension	29 (W) x 29 (H) x 39 (D)mm	



Spectral Sensitivity for FO124TC



Spectral Sensitivity for FO124TB



Accessories: • IEEE 1394 cable, 6-pin • SDK (Software Development Kit) • OHCI Card • Tripod Adapter Plate • Trigger Cable 12-pin

Contact

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