

FOculus

Always a new perspective



FO442SB/SC

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IEEE1394 Digital CCD Camera

- 2/3" Progressive Scan CCD Image Sensor
- Resolution 1,450,000 (square pixel) SXGA
- IEEE1394.a acc. IIDC v.1.31 Interface
- FO442SB =B/W • FO442SC =Color
- External Trigger
- Frame Rate 20 fps
- Partial Scan
- Camera setting via IEEE1394 Interface
- Opto - Isolated I/O
- Compact, solid and highly shock-resistant casing
- Industrial Lock Screw Support
- Application:
 - Machine Vision
 - Factory Automation
 - Quality Control
 - Semi Con Inspection
 - Microscopy + Medical
 - Barcode, OCR, OCV
- Free Application Software and SDK

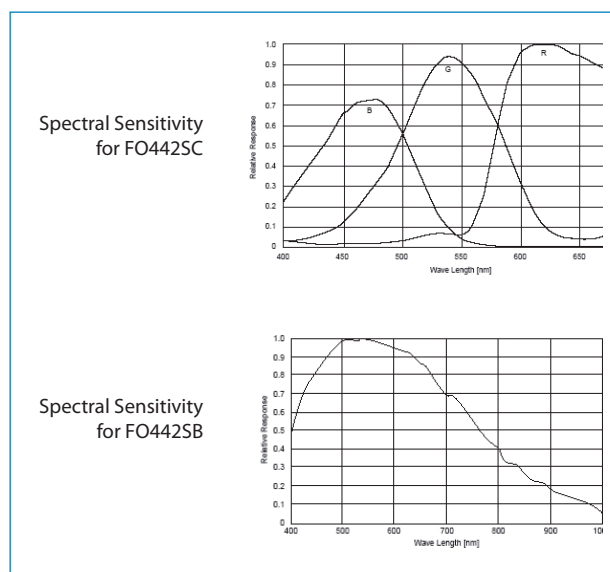
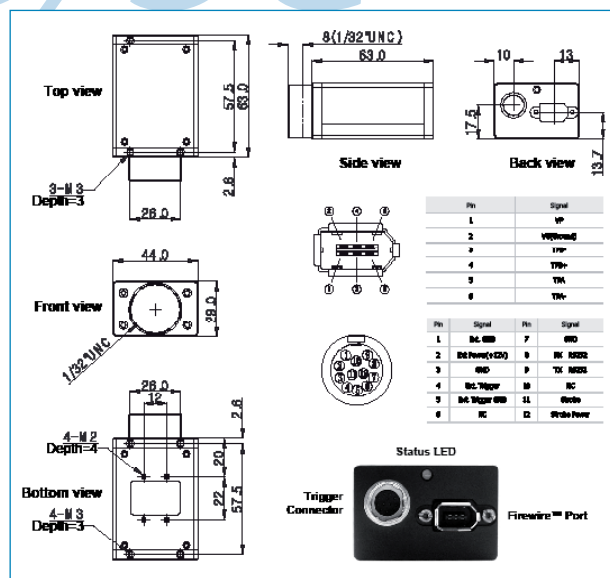


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Technical Data

FO442SB/SC

	FO442SB (B/W)	FO442SC (Color)
Image Sensor	2/3" IT CCD ICX285AL	2/3" IT CCD ICX285AK
Effective pixel	1,450,000 pixel, 1392 (H) x 1040 (V)	
Data Path	8bit or 12bit B/W	8bit or 12bit Raw RGB / YUV422
Pixel Size	6.45 (H) x 6.45 (V) μ m	
Scanning System	Progressive Scan	
Frame Rate	20 fps (format7) 15 / 7.5 / 3.75 / 1.875 fps	
Synchronization	Internal	
Digital Interface	IEEE1394a	
Software Interf.	Acc. IICD 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 μ sec ~ 65 sec; Auto Shutter	
Advanced Features	PixelBinning(onlyB/W);RS232(SIO/Passthrough);ROI;OneShot&MultiShot; Multi Camera Auto Sync; Opto-Isolated I/O; Industrial Lock Screw Support	
Operating Temperatur	- 5°C to + 45°C	
Regulations	FCC, CE, RoHS	
Lens Mount	C-mount	
Dimension	44 (W) x 29 (H) x 67 (D)mm / Approx. 110g	



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

Contact

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