

SENSORS

	ORDER CODE	ELEMENTS	ELEMENT SIZE	MAX DATA RATE	RANGE (TYP)	RESPONSIVITY (TYP)
Line Scan	CCD111ADC	256 × 1	13 × 17 MICRONS	10 MHZ	7000:1	1.3V per $\mu\text{J}/\text{cm}^2$
	CCD111BDC	256 × 1	13 × 17 MICRONS	10 MHZ	7000:1	1.1V per $\mu\text{J}/\text{cm}^2$
	CCD123DC	1728 × 1	10 × 13 MICRONS	2 MHZ	5500:1	3.5V per $\mu\text{J}/\text{cm}^2$
	CCD133ADC	1024 × 1	13 × 13 MICRONS	20 MHZ	7500:1	3.0V per $\mu\text{J}/\text{cm}^2$
	CCD134DC	1024 × 1	13 × 13 MICRONS	20 MHZ	7500:1	3.0V per $\mu\text{J}/\text{cm}^2$
	CCD143ADC	2048 × 1	13 × 13 MICRONS	20 MHZ	7500:1	3.0V per $\mu\text{J}/\text{cm}^2$
	SL140425	2048 × 1	13 × 13 MICRONS	20 MHZ	7500:1	3.0V per $\mu\text{J}/\text{cm}^2$
	CCD145DC	2048 × 1	13 × 13 MICRONS	5 MHZ	7500:1	4.0V per $\mu\text{J}/\text{cm}^2$
	CCD151DC	3456 × 1	7 × 7 MICRONS	5 MHZ	2500:1	4.0V per $\mu\text{J}/\text{cm}^2$
	CCD153ADC	512 × 1	13 × 13 MICRONS	20 MHZ	5000:1	3.0V per $\mu\text{J}/\text{cm}^2$
	CCD181DC	1024 × 1	10 × 10 MICRONS	20 MHZ	7500:1	4.0V per $\mu\text{J}/\text{cm}^2$
		1728 × 1	10 × 10 MICRONS	20 MHZ	7500:1	4.0V per $\mu\text{J}/\text{cm}^2$
		2048 × 1	10 × 10 MICRONS	20 MHZ	7500:1	4.0V per $\mu\text{J}/\text{cm}^2$
		2592 × 1	10 × 10 MICRONS	20 MHZ	7500:1	4.0V per $\mu\text{J}/\text{cm}^2$
Area Scan	CCD222ADC	488 × 380	12 × 13 MICRONS	20MHZ	1000:1	1.8V per $\mu\text{J}/\text{cm}^2$
	CCD222BDC	488 × 380	12 × 13 MICRONS	20MHZ	1000:1	1.8V per $\mu\text{J}/\text{cm}^2$
	CCD222CDC	488 × 380	12 × 13 MICRONS	20MHZ	1000:1	1.8V per $\mu\text{J}/\text{cm}^2$

LINE SCAN DESIGN AIDS

ORDER CODE

SENSOR SUPPORTED

CCD122DB	CCD122DC
CCD133DB	CCD133DC
CCD143DB	CCD143DC
CCD151DB	CCD151DC
I-SCAN	CD111ADC

Fairchild Weston offers printed circuit boards to assist customers in initial experiments with CCD devices. All design development boards include the sensor and require customer development of optical inputs and processing of the CCD output signal. In many cases, a complete ready-to-use camera sub-system would be more practical as an investigative aid.

LINE SCAN CAMERA SYSTEMS

Camera Subsystem: Includes Camera, Power Supply & Cables

Camera Only

ORDER CODE	ELEMENTS	MAX. SCAN RATE	MIN. EXPOSURE	DATA RATE	ORDER CODE
CCD1200R/CCD1200S	512 × 1	38K LINES/SEC	26 μS	100KHZ-20MHZ	CAM1200R/CAM1200S
CCD1300R/CCD1300S	1024 × 1	19K LINES/SEC	52 μS	100KHZ-20MHZ	CAM1300R/CAM1300S
CCD1500R/CCD1500S	2048 × 1	9.7K LINES/SEC	103 μS	100KHZ-20MHZ	CAM1500R/CAM1500S
CCD1600R	3456 × 1	1.4K LINES/SEC	714 μS	100KHZ- 5MHZ	CAM1600R

SOLID STATE TELEVISION CAMERA SYSTEMS

Camera Subsystem: Includes Camera, Power Supply & Cables

Camera Only

ORDER CODE	SCANNING FORMAT	COMMENTS	ORDER CODE
CCD3000/3500	488 × 380 RS170/CCIR		CAM3000/3500
CCD3000F/3500F	488 × 380 RS170/CCIR	FIBER OPTIC FACEPLATE	CAM3000F/3500F
CCD3000I/3500I	488 × 380 RS170/CCIR	INTENSIFIED VERSION	CAM3000I/3500I
CCD3100/3600	488 × 380 RS170/CCIR		CAM3100/3600
CCD3100F/3600F	488 × 380 RS170/CCIR	FIBER OPTIC FACEPLATE	CAM3100F/3600F
CCD3002/3502	488 × 380 RS170/CCIR		CAM3002/3502
CCD5000-4	488 × 380 RS170A	MULTIPLE SENSE HEAD	CAM5000-4
CCD5000-3	488 × 380 RS170A	MULTIPLE SENSE HEAD	CAM5000-3
CCD5000-2	488 × 380 RS170A	MULTIPLE SENSE HEAD	CAM5000-2
CCD5000-1	488 × 380 RS170A	SINGLE SENSE HEAD	CAM5000-1
		EXPANSION KIT	CAM5000K

CAMERA ACCESSORIES

ORDER CODE	FOR USE WITH	DESCRIPTION
LENS12.5C	ALL (EXCEPT CCD1500/1600)	12.5mm LENS, STD C MOUNT
LENS25C	ALL (EXCEPT CCD1500/1600)	25mm LENS, STD C MOUNT
LENS50C	ALL (EXCEPT CCD1500/1600)	50mm LENS, STD C MOUNT
LENS28B	CAM1500/1600	28mm LENS, BAYONET MOUNT
LENS50B	CAM1500/1600	50mm LENS, BAYONET MOUNT
CABLAUTO	CCD3000 SERIES	REMOTE SENSE HEAD CABLE
CABL3002	CCD3000 SERIES	REMOTE SENSE HEAD CABLE
PWRSPY	CCD3000 SERIES, 3002 SERIES	POWER SUPPLY
MONITOR	ALL TV CAMERAS	NTSC MONITOR, BLACK & WHITE
CB1000R	CAM 1200/1300/1500 (R&S)	CONTROL UNIT
SL140857	ALL CAMERAS	NIKON LENS MOUNT ADAPTOR
SL140861	ALL CAMERAS	OLYMPUS LENS MOUNT ADAPTOR
SL140881	CAM 1600R	CONTROL UNIT