

CCD IMAGING

FALL 1987

T-41-55

New Products

CCD Imaging & Signal Processing Catalog Supplement

Fairchild Weston's CCD Imaging Division continues as the industry's technology and performance leader with regular development of CCD sensors, sensor modules, cameras and systems plus signal processing and support components.

The following products are to be added to the CCD Division's Product Catalog. For further technical and application information or assistance, call (408) 720-7600 TWX (910) 373-2110, or write Fairchild Weston CCD Imaging Division, 810 West Maude Avenue, Sunnyvale, CA 94086.

LINE SCAN MODULES

ORDER CODE	SENSOR SUPPORTED	ELEMENTS
CCD133CM	CCD133DC	1024 × 1
CCD143CM	CCD143DC	2048 × 1
CCD153CM	CCD153DC	512 × 1
VIDEOCM	All Above Modules	Combined Video Module
CCD181M-1	CCD181DC	1024 × 1
CCD181M-2	CCD181DC	1728 × 1
CCD181M-3	CCD181DC	2048 × 1
CCD181M-4	CCD181DC	2592 × 1

LINE SCAN DESIGN AIDS

ORDER CODE	SENSOR SUPPORTED	
CCD123DB	CCD123DC	Design aids are printed circuit boards to assist users in CCD experiments. All design development boards include the sensor and require user development of optical inputs and processing of CCD output signal.
CCD134DB	CCD134DC	
CCD181DB	CCD181DC	

LINE SCAN CAMERAS

Camera Subsystem: Includes Camera, Cables & Power Supply

Camera Only

ORDER CODE	ELEMENTS	MAX. SCAN RATE	MIN. EXPOSURE	DATA RATE	ORDER CODE
CCD1301R	1024 × 1	19K LINES/SEC	52 μS	100KHz-20MHz	CAM1301R

SOLID STATE TELEVISION CAMERAS

Camera Subsystem: Includes Camera, Cables & Power Supply

Camera Only

ORDER CODE	SCANNING FORMAT	COMMENTS	ORDER CODE
CCD3000-A	488 × 380 RS170	CCD3000 with Miniature Sense Head	CAM3000-A
CCD5002-1	488 × 380 RS170	Single Sense Head	CAM5002-1
CCD5002-2	488 × 380 RS170	Multiple Sense Head	CAM5002-2
CCD5002-3	488 × 380 RS170	Multiple Sense Head	CAM5002-3
CCD5002-4	488 × 380 RS170	Multiple Sense Head	CAM5002-4
		Expansion Kit	CAM5002-K

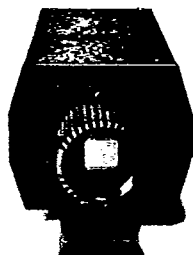
ACCESSORIES

ORDER CODE	FOR USE WITH	DESCRIPTION
CABL5000	CAM5000/CCD5000	Remote Sense Head Cable
CABL5002	CAM5002/CCD5002	Remote Sense Head Cable

Unique ruggedized modules simplify the use of CCD181DC Linear Sensors with high performance characteristics.

The modules include all necessary timing logic and drive signals to run the sensor in any of its four array length models.

A three-point mounting system is incorporated to permit easy mounting and accurate control of the optical surface. Custom modifications are also available; write or call for full information.



The new Fairchild Weston CAM3000-A solid-state CCD camera, combining the excellent electro-optical performance and very small sense head of the CCD/CAM5000 series with the Camera Control Unit of the popular CCD/CAM3000 series, is ideal for industrial testing, medical/scientific imaging and machine vision applications.