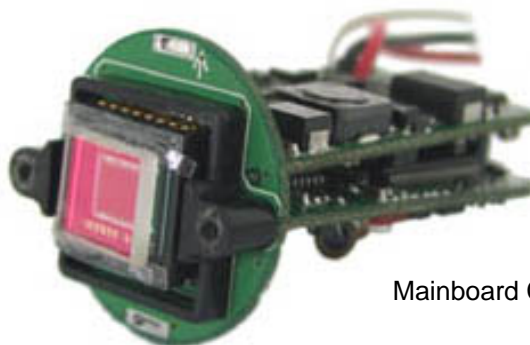


CS 5600

Digital 1-CCD OEM Color-Videocamera



The OEM digital-camera was designed for easy integration in "low cost" custom systems. The video signals are processed by a Digital Signal Processor (DSP). The CS 5600 is a very economically priced video solution. Its features and the various adaptable CCDs enable the CS 5600 to be used in a wide range of applications, especially in the dental field.



Mainboard CS 5600

CS 5600 system

Features

- Digital Signal Processor (DSP)
- 1/2", 1/3", 1/4" CCD
- 8bit ADC
- Video output CVBS
- Shutter speed up to 1/100,000sec
- White Balance AUTO/SET
- IR cut filter integrated
- All camera parameters adjustable via WIN 95/NT Software
- CCD can be separated up to 150mm (Option)
- Single color vectors adjustable
- Back light compensation (BLC)

Options

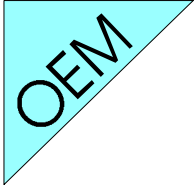
- 5V Version
- Remote-Head-Version

Applications

- Endoscopy, Dental
- Dermatology, Ophthalmology
- Image processing, Visualisation

Specifications

	CS 5600	CS 5600P
TV system	NTSC	PAL
Image sensor	IT 1/2" or 1/3" or 1/4" CCD	
Scanning Lines	525	625
Scanning system	2:1 Interlaced	
Sync. System	Internal	
Scanning frequency horizontal	15.743kHz	15.625kHz
Scanning frequency vertical	59.94Hz	50Hz
Aspect ratio	4 : 3	
Illumination (1/2" CCD)	Standard: 1,400 lux F11(3,000K) Minimum: 2 lux F1.4 (AGC,ON) approx. 50% Video level	
Video output	NTSC or PAL	FBAS , Y/C
Signal/noise ratio (SNR)	>44 dBp-p/rms	
Electronic light control (ELC (electronic shutter))	Automatic shutter control ON/OFF Maximum shutter speed 1/100,000sec	
White balance	FULL : automatic White balance MANU: manual White balance	
Automatic Gain Control (AGC)	ON/OFF, 0-18dB adjustable	
Power supply	+12VDC, ±10%	
Power consumption	approx. 160mA	
Environmental conditions	temperature	: 0 to +50°C
	relative humidity	: max. 95%
Dimensions (WxD)	approx. 20 x 45 mm	
Weight	approx. 12.5g	



CS 5600 system

CS 5600 OEM

