



Model SBK125



DVB AG



Application example

Camera SBK125

- Integrated Power Supply
- Single Board Robustness

Description

SMS SBK125 is a single board CMOS camera. Its analog and optional digital video output signal ensures compatibility with standard video systems (displays, monitors). By using a lens holder (Ø12.5 mm), the lens system can be replaced for different applications.

Because of its small dimensions the SBK125 can be assembled in a large variety of standard camera housings.

Applications

Video Surveillance and Video Control for Traffic - Systems

- Railway, local train, subways
- Trucks, cars, ships and yachts
- Public busses

Industrial - Systems

- Facility management
- Logistics
- Access control and security

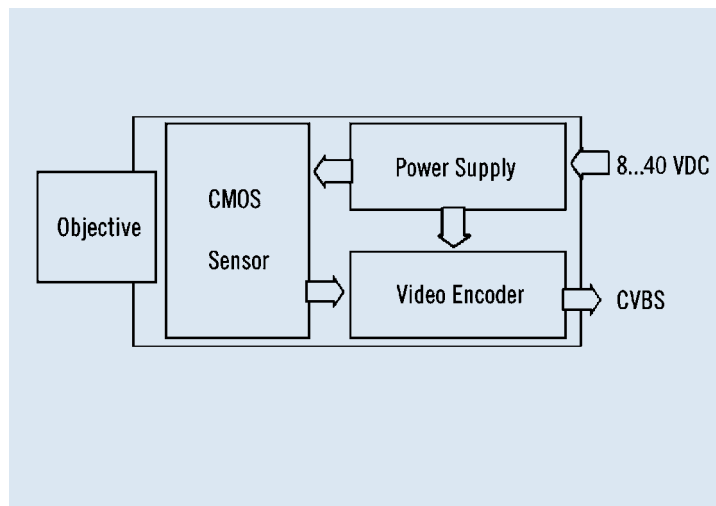
Compatibility

- PAL
- NTSC
- LVDS
- 8 bit digital parallel

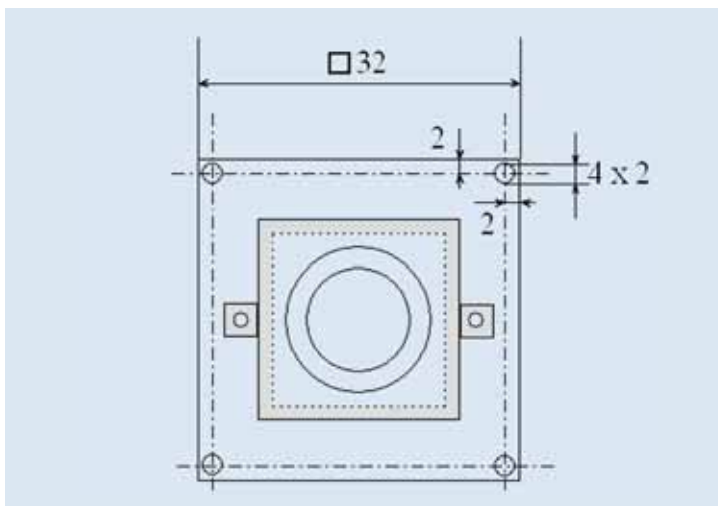
Key Features

Sensor	Color CMOS-sensor (1/4")	Operational Temperature	-40°C to +85°C
Resolution	VGA 640 x 480 px	Storage Temperature	-40°C to +105°C
Responsivity	2V/lux-sec for color images (2 lux) 0.5V/lux-sec for b&w images (0,25 – 0,5 lux)	Operational Temp. (optional)	-45°C to +105°C
Output Signal (configurable)	· CVBS PAL / NTSC @ 75 Ohm single ended or differential · 8bit parallel digital output	Storage Temp. (optional)	-45°C to +115°C
Dimensions	32 mm (l) x 32 mm (w) x about 25 mm (h)	Input Voltage	8VDC to 40VDC
Dynamic Range	> 69 dB	Default Operating Mode	Automatic brightness control and automatic white balance
Field of View	40°, 60°, 90°, 130°, 150°, 170° others upon request	Power Consumption	Approx. 0.4 W
		Overvoltage Protection (supply)	100 V @ 1ms

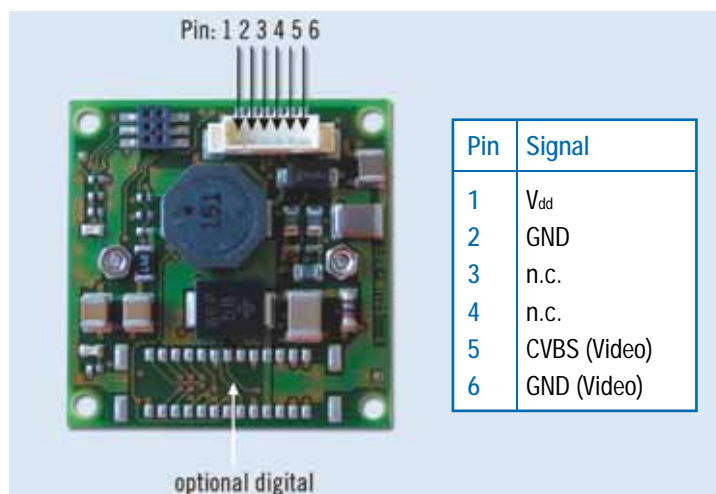
Block Diagram



Dimensions



Pinning Option 1



Pinning Option 2 (digital)

Pin	Signal	Pin	Signal	Pin	Signal
1	PIX CLK	10	Dout 0	19	RAW+
2	n/a	11	n/a	20	RAW+
3	Dout 7	12	FV	21	n/a
4	Dout 6	13	LV	22	n/a
5	Dout 5	14	RESET	23	VD2P8
6	Dout 4	15	SDA	24	VD2P8
7	Dout 3	16	SCL	25	LVDS+
8	Dout 2	17	n/a	26	LVDS-
9	Dout 1	18	n/a		