

AZ DISPLAYS, INC.

SPECIFICATIONS FOR SF13CR-CS

PART NUMBER:

SF13CR-CS

DATE:

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1. General Description

The SF13CR-CS color camera incorporates the 1/3" Omni Vision CMOS image sensor, and is applicable to various electronic devices that require a video signal, and is available in PAL or NTSC signal formats.

2. Features

Video output (1.0 VPP 75ohm)

PAL or NTSC

3. Applications

SF13CR-CS color camera applies in the following areas:

electronically device in office

Instrument and measure devices

Machinery equipment

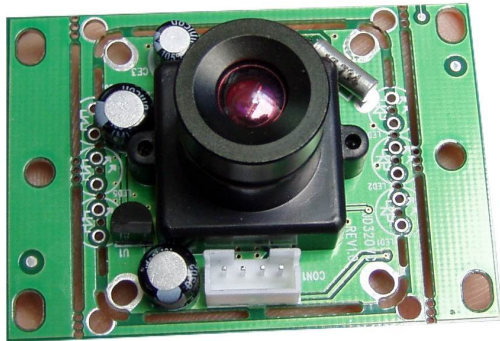
Monitor (Car Monitor, Portable Video Gather, Remote Monitoring)

Door Phone , Videophone.

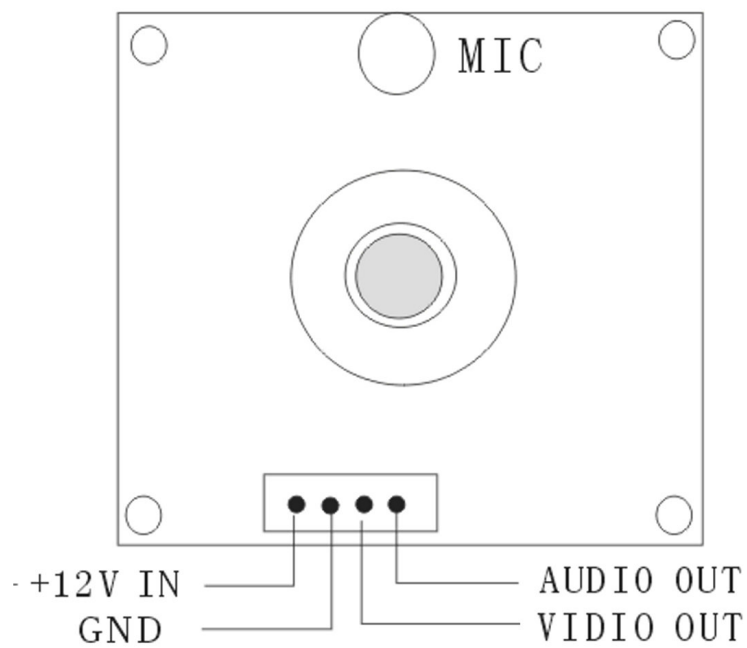
Note: It is not suitable for the products that needs high quality in ability, stability and veracity.

4. Wiring diagram

SF13CR-CS sample diagram



SF13CR-CS wiring diagram



5. Electronically specifications

SF13CR-CS

Pickup device	1/3 " Omni Vision CMOS
System of signal	PAL/NTSC
Number of pixels	PAL: 628 (H) X 582 (V) ,NTSC: 510 (H) x492 (V)
Sync. system	Internal
Horizontal resolution	420TV line
S/N ratio	>40dB
Minimum illumination	0.1LUX
Backlight compensation:	Auto
Electronic shutter	1/60-1/1500s
White balance	Auto
Gamma correction:	>0.45
Video output	1Vp-p 75 ohm
Mic output:	350mV 4.7K ohm (optional)
Power supply	DC 12V 55mA
Lens	3.6mm
Operation temperature	-20V ~ +60V
Dimensions	32mm(H)X32mm(V), 38mm(H)X38mm(V), 55mm(H)X38mm(V)

7. Enviroment Parameter

Operating temperature -20~60 °C

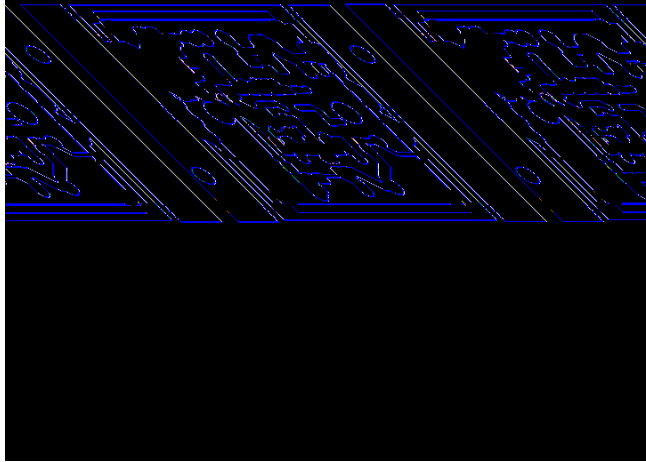
Relative humidity 5~95% RH

Storage temperature -25 ~+70 °C

Relative humidity 0~95% RH

8. Circuit Design Diagram

SF13CR-CS PCB LAYOUT



9. Structural Diagram

SF13CR-CS

