

# AZ DISPLAYS, INC.

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## SPECIFICATIONS FOR SF14BW-CS

PART NUMBER:

SF14BW-CS

DATE:

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## 1. General Description

The SF14BW-CS black and white camera incorporates the 1/4" 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)

CCIR or EIA

## 3. Applications

SF14BW-CS black-and-white camera apply in the following areas

electronically device in office

Instrument and measure devices

Machinery equipment

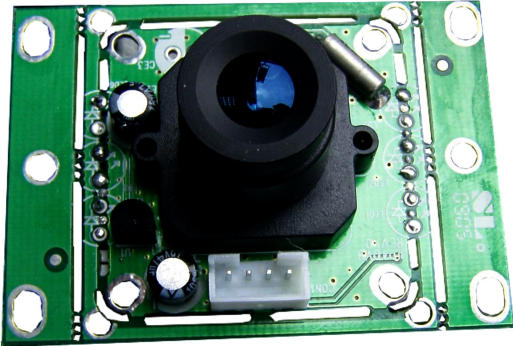
Monitor (Car Monitor, Portable Video Gather, Remote Monitoring)

Door Phone , Videophone.

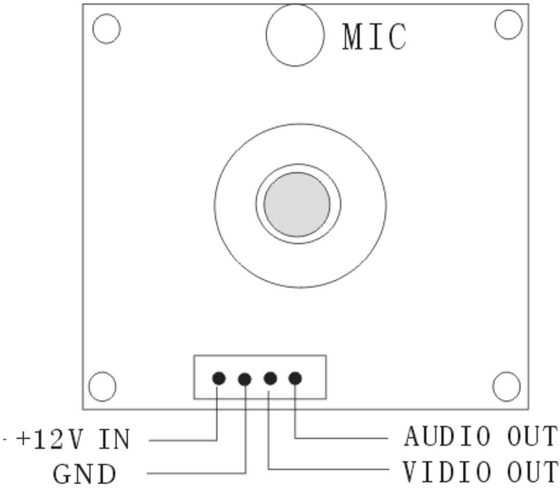
Note: It is not suitable for the products that need high quality in ability, stability and veracity.

## 4. Wiring diagram:

### SF14BW-CS Sample Picture



### SF14BW-CS Wiring Diagram



## 5. Electronically specifications

### SF14BW-CS

|                         |   |
|-------------------------|---|
| Pickup device           | 1/4"OmniVision CMOS                                 |
| System of signal        | EIA/CCIR  |
| Number of pixels        | EIA: 320 (H) x240 (V), CCIR: 352 (H) x228 (V)       |
| Sync. system            | Internal  |
| Horizontal resolution   | 320TV Line  |
| S/N ratio               | >46dB   |
| Minimum illumination    | 0.5LUX  |
| Backlight compensation: | Auto  |
| AGC                     | Auto  |
| Electronic shutter      | 1/60-1/6000S  |
| Gamma correction:       | >0.45   |
| Video output            | 1Vp-p 75 ohm  |
| Power supply            | DC 12V 90mA   |
| Lens                    | 3.6mm   |
| Operation temperature   | -10V ~ +60V   |
| Dimensions              | 32mm(H)X32mm(V), 38mm(H)X38mm(V), 38mm(H) X 55mm(V) |

## 7. Enviroment parameter

Operating temperature -20~60 °C

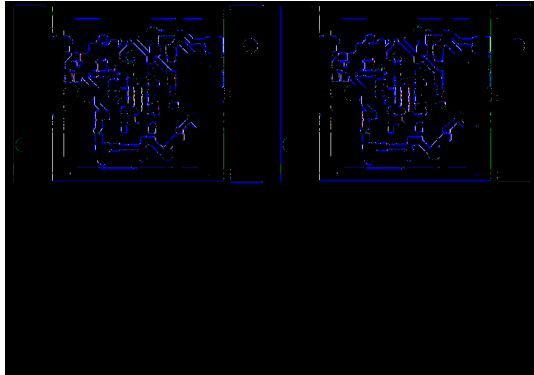
Relative humidity 5~95% RH

Storage temperature -25 ~+70

Relative humidity 0~95% RH °C

## 8. Circuit Design Diagram

SF14BW-CS PCB LAYOUT



## 9. Structural Diagram

SF14BW-CS

