

B-Cam21 Color Camera

This is a family of products based on the most advance CMOS mixed signal technology. It integrates image array, signal processing, timing and control circuitry, all on a single chip. Applying a simple circuit and enclosed in a stylish design casing, it becomes a complete camera. It is suitable for low cost application.

Features:

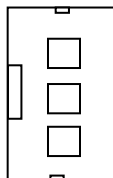
Small size : $\phi 24 \times 44$ mm
Metal Case
Full resolution: 365Kpixels
Operation voltage : 9-12V
Lens: f6.0mm F1.6
Built in IR filter
Low power consumption (<400mW)
3 pin socket for feasible wiring
Direct connect to standard video monitor
Auto exposure control
Auto gain control - 18dB
Automatic white balance
Automatic black level calibration



Specification

Pin Description

1. CVO Composite Video Output
Direct connect to TV/Monitor
2. GND Common Ground for power and video
3. PWR Power Supply 12V DC



1. CVO
2. GND
3. PWR

3-pins socket, pitch 2mm

Note: Adapter cable and wall mount bracket can be provided as optional accessories.

Imager	CMOS imager sensor OV7949
Scanning	2:1 Interlace
Shutter	1/50 to 12.5uS
Video Output	Composite video (75 Ω)
Picture Element	628 x 586 pixel
Effective image area	5.961 x 4.276mm
S/N Ratio	>48dB (AGC on)
Resolution	340 TV lines
Fixed pattern noise	<0.079% V _{p-p}
Dark Current	10mV/s@60C
Dynamic range	50dB
Operation Voltage	9-12 VDC
Connectors	PWR, Video, GND
Lens	f6.0mm F1.6, FOV: 35.5x33.4°C
Dimension	$\phi 24 \times 44$ mm

