



ITM-C-DSA (PAL)

ITM-C-26 A (NTSC)

Color Camera Module with Microphone



General Description

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. It is ideal for applications requiring a small footprint, low power and low cost.

Features

Small size..... 29 x 29 mm
 Wide operation voltage..... 8 – 15V
 Lens..... f6.0mm F1.6
 IR filter..... Built in
 Low power consumption..... <200mW
 Direct connect to standard video monitor
 On-chip auto exposure control
 Gamma correction..... 0.45/1.0
 Auto gain control..... 18dB
 White balance..... automatic
 Black level calibration..... automatic
 Built in microphone
 High sensitivity microphone circuit

Pin Description

CVO	Composite video output, can be directly connected to TV/monitor
GND	Common ground for power and video
AUD	Audio output, connect to speaker or TV audio in
PWR	DC Power supply 8V to 15V

Application Example

Video conferencing · Video Phone · Video email
 PC multimedia · Security and Surveillance System · Toys

Specification

Product	ITM-C-DSA (PAL)	ITM-C-26A (NTSC)
Imager	CMOS imager sensor	CMOS imager sensor
Scanning	2:1 Interlace	2:1 Interlace
Shutter	1/60 to 1/15,000 sec	1/60 to 1/15,000 sec
Video Output	Compos. video (75Ω)	Compos. video (75Ω)
Picture Element	628 x 582 pixel	510 x 492 pixel
Effect. image area	5.78 x 4.19mm	4.69 x 3.54mm
Resolution	340 TV Lines	340 TV Lines
S/N Ratio	>42dB (AGC on)	>42dB (AGC on)
Min. Illumination	3Lux at f1.2 (3000K)	3Lux at f1.2 (3000K)
Audio Output	1V p-p	1V p-p
Min Audio Input	10mV	10mV
Operation Voltage	8 – 15 VDC	8 – 15 VDC
Connectors	PWR, Video, GND	PWR, Video, GND
Lens	f6.0mm F1.6, FOV 51° x 43°	

Layout and Dimensions [in mm]

