

1/3" CCD Color square camera

*** Outstanding true color reproduction**

It shows how DSP color CCD camera should perform its color reproduction. The unit includes the new generation 1/3" CCD sensor and it is successfully combined with our own image processing technology in order to enhance the color reproduction to the close level of human eye. It responds to all colors as natural and reproduce them extremely live.

*** Remarkable low light sensitivity, Noise free**

It is brighter than ever at dark illumination. Generally DSP color cameras perform very poor sensitivity compared with monochrome cameras at low illumination. It marks a new breakthrough how the color cameras work so well at low light condition. Note for the real feature of 0.3 lux at F2.0

*** Compact Size (33mmx33mm)**

The value of the camera is not in making the size as small as possible. It is just purposed to meet the general demands of micro technology. The real value is in making the unit perform a reliable functions & quality not losing its principal purpose. It is successfully proved as being the world's smallest size, used with 1/3" CCD format, Incorporating all innovative features.

*** Moisture free Weatherproof**

The unit is completely sealed with strong metal housing. There is no condensation when it is heated after a long time operation under rainy weather.

*** Extremely Low Power Consumption & Wide working voltage tolerance**

It covers DC12V \pm 3V of power input and requires less than 80mA. This is critical for the reliability as it produces less heat and protect it from damage against bad power supply or fluctuating AC power input.

*** Easy Installation**



Key Features

Weatherproof applicable for outdoor security or car rear view vision

1/3" Super sensitive DSP Color CCD sensor (Sharp)

Human eye level of true color reproduction

Ultra sensitive low light performance of 0.3 Lux at F2.0 fixed lens

World's smallest 1/3" Color CCD camera with 33mmx33mm

380 TVL Horizontal Resolution

Extremely reliable operating power tolerance

Reverse Polarity Input protection circuit built-in

Reverse Image

Optional Features

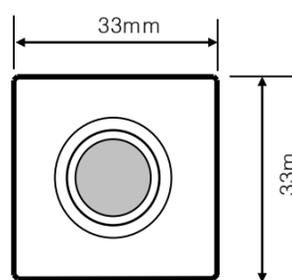
Audio with C-Mic

Reverse Image

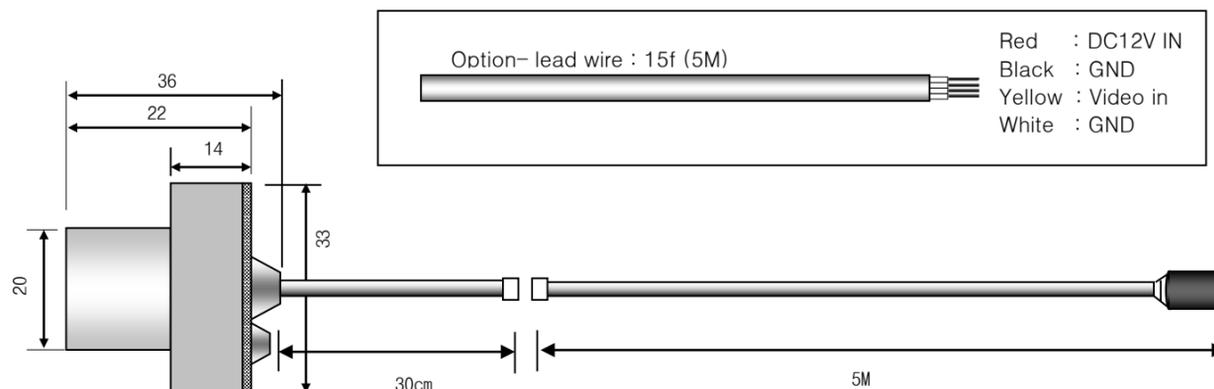
Dimension(mm) &

Wiring

Front View



Side View



Specification

MODEL	VTV100
Image sensor	1/3" DSP Color CCD
Effective Pixels	NTSC : 512(H)X492(V) PAL : 500(H)X582(V)
H.Resolution	380 TV Lines
Synchronizing system	Internal
Scanning system	NTSC 525 Lines PAL 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More than 50 dB (AGC Off)
Min. Illumination	0.3Lux at F2.0
BLC	Automatic
White balance	2100°K ~ 9100°K Auto
Gain Control	4dB~30dB Auto
Gamma correction	r=0.45
Smear effect	0.005%
Shutter speed	NTSC : 1/60 ~ 1/100,000 sec PAL : 1/50 ~ 1/100,000 sec
MTBF	80,000 hours
Power source	DC12V(Tolerance 8VDC ~20VDC)
Operation current	80mA w / regulated 12VDC in
Lens Standard	2.9(130')
Option	3.6(92'), 4.3(78'), 6.0(54'), 8.0(34')
Operating Temperature	14° F~122° F (-10° C~ + 50° C)
Humidity	Within 90% RH
Output Terminal	30cm+5M 4Pin DIN Cable
Measurement (mm)	33(W)x33(V)x30(H)
Weight(Approx.g)	150
Optional Function 1	External Audio with C-Microphone " - 35dB / mV
Optional Function 2	"
	Infra-Red Light sensitive without losing the true coloration at day light