

# VTK101 VTK101N

## 1/3.2" CMOS Color square camera

### \* Outstanding true color reproduction

It shows how Color CMOS camera should perform its color reproduction. The unit includes the new generation 1/3.2" CMOS 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 responses 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 performs very poor sensitivity compared with monochrome cameras at low illumination. It marks a new breakthrough how the color cameras woks so well at low light condition. Note for the real feature of 0.1 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 loosing its principal purpose. It is successfully proved as being the world's smallest size, used with 1/3.2" CMOS 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 ± 3V of power input and requires less than 60 mA. This is critical for the reliability as it produce 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**

**1/3.2" Super sensitive Color CMOS sensor (SONY)**

**Human eye level of true color reproduction**

**Ultra sensitive low light performance of 0.1 Lux at F2.0 fixed lens**

**World's smallest 1/3.2" Color CMOS camera with 33mmx33mm**

**650 TVL Horizontal Resolution**

**Extremely reliable operating power tolerance**

**Reverse Polarity Input protection circuit built-in**

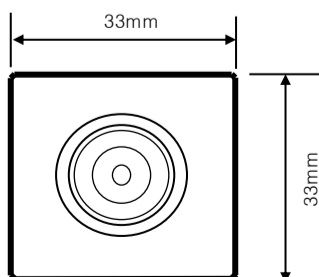
## Optional Features

**Audio with C-Mic**

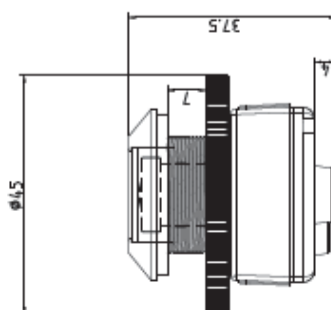
**Reverse Image**

## Dimension(mm)

### Front view



### Side view (with Bracket)



## Specification

MODEL	VTK101 / VTK101N
Effective Pixels	1280(H) x 960(V) = 1.23M pixels
H.Resolution	More than 650 TV Lines
Image sensor	1/3.2" Sony CMOS
Synchronizing system	Internal
Scanning system	Progressive scan
Video output	1.0Vp-p Composite. 75 Ohms
S/N ratio	More then 52 dB (AGC Off)
Min. Illumination	0.1Lux at F2.0
White balance	1800°K ~10500°K Auto
Gain Control	4dB~30dB Auto
Gamma correction	r=0.45
Smear effect	0.01%
Shutter speed	NTSC : 1/60~1/67,500 sec PAL : 1/50~1/67,500 sec
MTBF	80,000 hours
Power source	DC12V
Operation current	90mA w / regulated 12VDC in
Lens Standard	f=2.45(140°)
Operating Temperature	14° F~122° F ( -10° C~ + 50° C )
Humidity	Within 90% RH
Output Terminal	4 Foot DIY cable with RCA-Fe (BNC-Fe) for Video, DC Jack-Male for Power 33(W)x33(V)x30(H)
Measurement (mm)	150
Weight(Approx.g)	External Audio with C-Microphone" - 35dB / mV
Optional Function 1	"
Optional Function 2	Infra-Red Light sensitive without loosing the true coloration at day light