



VTD-C510 High Resolution Color Indoor Dome Camera



The VTD-C510 high resolution color dome camera is a small, attractive camera ideal for use in commercial or residential applications. It measures less than 5" in diameter and comes in dual voltage 24 Volt AC/12 Volt DC power input for easy integration with standard cameras and power systems.

- 1/3" High Resolution CCD (768 x 494)
- 580 TV Lines Resolution
- DSP Controls For Superior Backlight, White Balance, And Gain Control
- 0.03 Lux Sensitivity
- Dual Voltage: 12VDC / 24VAC
- Also available in white

VITEK



WIRING CONNECTIONS

The VTD-C510 Dome Camera should be powered by 12 Volts DC or 24 Volts AC. You should make sure that the power supply you are using is CSA Certified Class 2 Power Supply delivering a minimum of 2.5 Watts.

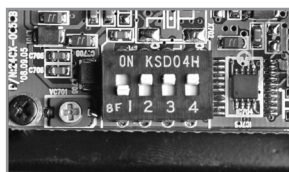
For optimum video signal, use 95% copper shielded coax cable. Twisted pair or CAT-5E cable may also be used with optional VT-TR1M Passive Video Transceivers. Maximum cable distance for 95% copper braid coax is approximately 800'; For Cat-5E or twisted pair, 1500' using VT-TR1M transceivers, and up to 4500' with use of VT-TR16AI Active UTP hub.

CAMERA SETUP

Your VTD-C510 Dome Camera has been set at average default settings from the factory so the performance should be excellent right from the start. However, certain challenging environments may require additional set-up procedures to enhance the image.

DIP SWITCH SETTINGS

There are four dip switches on the rear board of the camera. The following adjustments may be made:



Dip Switch Adjustments

Dip Switch 1
(Default ON)

AE: Automatic Electronic Shutter Control

Leave this switch in the "On" position when using a fixed lens version to enhance the camera's ability to react to changing light.

Switch to "Off" position if your camera has an auto iris lens.

Dip Switch 2
(Default OFF)

BLC: Back Light Compensation

Leave this switch in the "Off" position if your camera is being installed outdoors or if the installation is indoors in a controlled lighting environment.

Switch to "On" position when installing the camera indoors looking toward windows or doors or if outdoors looking into semi-direct sunlight. Never install camera looking into direct sunlight.

Dip Switch 3
(Default OFF)

FL: Flickerless

Flickerless shutter speed for minimizing image flicker under fluorescent lighting.

Dip Switch 4
(Default OFF)

AGC: Automatic Gain Control

Used to increase the video signal in low light conditions. If used in the wrong environment, this setting can add noise in the picture giving a grainy appearance.

FOCUS ADJUSTMENT

The focus may be adjusted by simply screwing or unscrewing the lens. Be sure to loosen the set screw before attempting to adjust the focus or damage may occur.

Be careful not to over tighten the lens or you may damage the pick-up sensor.



Focus Adjustment

SECONDARY VIDEO OUTPUT

The VTD-C510 is equipped with a Secondary Video Output for ease of setup and adjustment. A 6" cable is included with the camera.



Secondary Video Output & Cable.



ROUTINE MAINTENANCE

Use mild liquid cleaners to remove dirt and grime from the dome surface.

Do not use harsh or abrasive cleaners which can scratch the polycarbonate dome and reduce visibility for the camera.

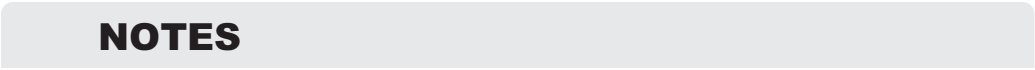
If the camera view is obstructed by scratches, remove the front plate (bezel) and rotate the bubble to a portion that is not scratched.

If the dome becomes damaged or scratched beyond use, contact your distributor to order a replacement.





NOTES



DOME SPECIFICATIONS

Image Device	1/3" Color CCD Image Sensor
Effective Pixels	768 x 494
Resolution	580 TV Lines
Minimum Illumination	0.03 Lux at f1.2 (AGC ON)
S/N Ratio	More Than 48dB (AGC Off)
Electronic Shutter	1/60 ~ 1/100,000 Sec.
White Balance	Auto White Balance (AWB)
Standard Lens	3.6mm Included (2.9 / 6.0 / 8.0 / 16mm Optional)
Video Output	Composite: 1.0 Vp-p / 75 Ohm
Power Source	12VDC / 24VAC
Operation Temp:	14°F ~ 122°F / -10 ~ 50°C
Dimensions	4.73" x 2.96" / 120mm x 75mm (W x H)
Weight	0.66 lbs. / 10.58 oz. / 300g

LIMITED LIABILITY WARRANTY

Your new Camera is guaranteed to be free from defects in materials and workmanship for a period of two years from the date of purchase.

The product must have been used only for its intended purpose, and not been subjected to damage by misuse, willful or accidental damage, caused by excessive voltage or lightning.

The product must not have been tampered with in any way then the guarantee will be considered null and void.

This guarantee does not affect your statutory rights.

Contact your local VITEK Reseller should servicing become necessary.



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