



## **VTD-C410** High Resolution Color Indoor Dome Camera



The VTD-C410 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.

# VITEK

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## WIRING CONNECTIONS

The VTD-C410 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.

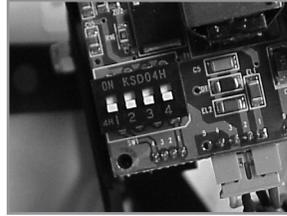
For optimum video signal, use 95% copper shielded coax cable. Twisted pair or CAT-5E cable may also be used with optional VT-TR1M Passive Video Transceivers. Maximum cable distance for 95% copper braid coax is approximately 800'; For Cat-5E or twisted pair, 2000' using VT-TR1M transceivers.

## CAMERA SETUP

Your VTD-C410 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. They should all be set to off from the factory. The following adjustments may be made:



Dip Switch Adjustments

- Dip Switch 1 = Electronic Shutter Control**  
Leave this switch in the "Off" position if your camera has an auto iris lens.  
Switch to the "On" position when using a fixed lens version to enhance the camera's ability to react to changing light.
- Dip Switch 2 = Back Light Control**  
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 = Flickerless On/Off**  
Flickerless shutter speed for minimizing image flicker under fluorescent lighting.
- Dip Switch 4 = Auto White Balance**  
Switch "On" if the image appears discolored or floats between colors. This will enable the camera to find "White".



## 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





## 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.

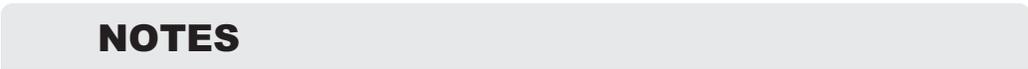
If the camera view is obstructed by scratches, remove the front plate (bezel) and rotate the bubble to a portion that is not scratched.

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





## NOTES



## DOMESPECIFICATIONS

Image Device	1/3" Color CCD Image Sensor
Effective Pixels	768 x 494
Resolution	480 TV Lines
Minimum Illumination	0.7 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
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 VITEK or your local distributor if servicing should become necessary.



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