speco technologies®

INSTRUCTION MANUAL

3 Axis 2MP 3.6mm FIXED DOME CAMERA

VL644T

CE

FEATURES

☐ Compact and light weight 3 Axis design
☐ TVI / AHD / CVI / CVBS Video Output Selectable; NTSC / PAL Selectable
☐ Multi Language OSD (On Screen Display) Menu Control via UTC
☐ 3D-DNR / 2D-DNR Selectable
☐ Fixed lens built in for easy installation and adjustment
☐ Manual 360 degrees rotation & pan / tilt mechanism
☐ Can be installed on a wall or a ceiling
☐ Video cable with BNC included

PRECAUTIONS

1. Do not attempt to disassemble the camera.
2. To prevent electric shock, do not remove screws or cover. There are no user-serviceable parts inside.
3. Handle the camera with care.
   Do not abuse the camera. Avoid striking or shaking it. The camera could be damaged by improper handling or storage.
4. Never face the camera toward the sun.
5. Use caution when operating the camera in the vicinity of bright lights or light reflecting objects.
6. Do not operate the camera beyond its temperature, humidity or power source ratings.
7. Do not use the camera in an extreme environment where high temperature or high humidity exists.
8. Do not touch the sensor directly with your fingers. If necessary, use soft cloth moistened with alcohol to wipe off the dust.
9. When the camera is not in use, keep the lens cap on to protect the sensor.

INSTALLATION

Remove the dome cover from the mounting base by rotating the dome cover clockwise.

Adjust the camera viewing angle by first tilting then rotating the camera module. Turn the horizontal adjustment ring to correct the image and to achieve proper orientation.

Once the installation is complete, replace the dome cover over the camera and tighten it by turning counterclockwise.

Connect the video output to the monitor or other video device through a 75 Ohms type coaxial cable and the DC-Jack to a 12VDC power source.

Note:
- Power adapter is sold separately.
- Via the OSD cable setting, users can have TVI/AHD/CVI/CVBS selection.
  - Please press "CENTER" key of OSD button.
  - Move to "VIDEO SETTING" and press "CENTER" key of OSD button.
  - Use "LEFT" or "RIGHT" key to change mode – TVI/AHD/CVI/CVBS. (1080P30 means 1080P NTSC; 1080P25 means 1080P PAL)
  - Move to "APPLY & REBOOT and press "CENTER" key for effective setting.
- Via UTC, users can be easy to access the camera OSD menu for basic camera settings and the format changing.

SPECIFICATIONS

Image Pick-up Device	1/2.7" 2 Megapixel CMOS Sensor
Video Standard	NTSC / PAL Selectable
Resolution	1920(H) x 1080(V)
Minimum Illumination	0.01 Lux @F1.2, AGC On; 0 Lux IR On
Shutter	Auto.
Day Night	Extern (Default) / Auto / Color / BW
Synchronous System	Internal
Frame Rate	1080P@25fps / 1080P@30fps/720P@25fps/720P@30fps
Video Output	TVI/AHD/CVI/CVBS
Exposure	Brightness / Exposure Mode / Gain
White Balance	Automatic Tracking White Balance / Manual White Balance
Day & Night Mode	Infrared / Internal Auto / Color / BW
Image Enhancement	Contrast / Sharpness / Saturation / 2D Noise Reduction / 3D Noise Reduction
S/N Ratio	> 60 dB (AGC Off)
Coaxial Cable Transmission Distance (3C/5C)	300 / 500 M (984 Feet / 1640 Feet)
Twisted Cable Transmission	Max. 300 M (Max. 984 Feet)
Lens Type	Megapixel 3.6 mm Fixed Lens Built in
Power Supply	DC 12V ± 10%
Storage Temperature	-20ºC to 60ºC (-4℉ to 140℉)
Camera Dimensions	87(Dia.) x 53(H) mm [3.43(Dia.) x 2.09(H) Inches]

Specifications are subject to change without prior notice.

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