

VC-04 Color Video Camera

Product Overview

The TDK VC-04 Color Video Camera is a high performance CCD specifically designed for remote monitoring of equipment under EMC testing. The camera is also ideal for wide angle anechoic chamber monitoring, shielded access control, and test action archiving.

Designed for EMC Testing The VC-04 is designed to operate in the harsh environments required by EMC testing. The camera is housed in an EMI hardened protective case, and the control and video signals use fiber optics to prevent interference caused by high electromagnetic fields present during EMC testing.

Full-Featured The high-resolution VC-04 is remotely focused, positioned, and zoomed using the TDK SI-300CC controller. The camera is available in both NTSC and PAL versions.



The TDK VC-04 Color Video Camera is designed specifically for remote monitoring of equipment during EMC testing in a shielded room or anechoic chamber.

Camera Features

- 1/4" CCD; high resolution; NTSC and PAL versions
- EMI shielded to >200 V/m (DC to 18 GHz); Shielded 12 Vdc or universal AC adapter operated
- Pan/tilt mechanism
- Remote control for pan/tilt, focus, zoom, iris control
- Computer control with IEEE-488 option
- Audio option provides both audio and visual monitoring

VCS-04 Video Camera System Components

- One VC-04 Color Video Camera
- SI-300CC Camera Controller capable of controlling up to four VC-04 cameras
- A 20" LCD monitor
- One set of 25m fiber optic cables
- Either AC power or DC battery pack

Options

- Built-in audio
- VCMS-150R Video Camera Monopod Stand
- VCWM Video Camera Wall Mount
- AC power or DC battery pack

VC-04 Color Video Camera

Overall Dimensions

With pan/tilt unit:	10.5" H x 6.2" D x 3.0" W (26.7 cm x 15.8 cm x 7.6 cm)
Without pan/tilt unit:	5.0" H x 6.2" D x 3.0" W (12.7 cm x 15.8 cm x 7.6 cm)

Electrical/Environmental Specifications

Image:	1/4" IT CCD Active Picture Elements
NTSC:	768 (H) x 494 (V)
PAL:	752 (H) x 582 (V)
Resolution:	
NTSC:	470 (H) x 350 (V)
PAL:	460 (H) x 400 (V)
Signal to Noise Ratio:	min 49 dB
Video Output:	Optically encoded NTSC or PAL
Color Balance:	Automatic Synchroni- zation
Operating temperature:	0° to +40° C
Storage Temperature:	-10° to +50° C

Motor Box Specifications

Houses the motors which power the pan/tilt mechanism.	
Power:	110-220 VAC / 12 VDC
Dimensions:	7.0" H (including mount) x 7" D x 4.7" W (18 cm x 12 cm x 7.6 cm)
Construction:	Painted steel

Optical Capabilities

Focal Length:	3.5 – 91 mm
Zoom:	26x Optical zoom 12x Digital zoom
Angular Field of View:	55° wide; 2.3° tele- photo
Minimum Object Distance:	35 mm (wide); 800 mm (telephoto)
Angle of Pan/Tilt:	Pan: +/- 150° degrees Tilt: +/- 30° degrees
Fiber Optic Cable:	62.5 u glass fiber
Iris Control:	Manual and Automatic
Minimum Illumination:	0.7 lux

Ordering Information

Product:	Video Camera
Model Number:	VC-04
Warranty:	1 year

To place an order or to learn more about the TDK RF Solutions products that best meet your needs, contact your TDK sales representative:

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