



Data Sheet

MVC-06 HD Mini Video Camera

Product Overview

The TDK MVC-06 High Definition Mini Video Camera is a small, light-weight, all-digital, high performance camera specifically designed for remote monitoring of equipment under EMC testing. The camera is ideal for monitoring in vehicles and small spaces.

Designed for EMC Testing The MVC-06 is designed to operate in the harsh environments required by EMC testing. The camera is housed in an EMI hardened protective case and the video signals use fiber optics to prevent interference caused by high electromagnetic fields present during EMC testing.

Designed for Vehicle Testing The MVC-06 combines with the VCAP Video Camera Articulating Positioner for convenient placement in vehicles.

Camera Features

- 1920x1800, High Definition
- Battery Life of 6-8 Hours
- Field of View of 87 degrees
- EMI shielded to >200 V/m (DC to 18 GHz); Shielded 12 V DC battery operated
- Can be used with the VCAP Video Camera Articulating Positioner for placement in vehicles and small spaces
- Fixed focal length with automatic focusing

MVC-06 Camera System Components

- One MVC-06 Mini Video Camera
- Fiber-optic to video converter
- One set of 25m fiber optic cables
- Battery charger
- Clamp mount with 6" (15cm) flexible arm and 1/4"-20 hole for universal mounting



The TDK MVC-06 Mini HD Video Camera is designed specifically for remote monitoring of equipment during EMC testing.



Recommended Accessories

- VCAP Video Camera Articulating Positioner
- SI-300-CC with 1 channel for fiber to video converter
- MVC-Receiver-HD SDI to HDMI Converter
- VCMS-150R Video Camera Monopod Stand
- TV monitor

MVC-06 HD Mini Video Camera

Camera Specifications

| | |
|------------------------|---|
| Image Sensor: | 1/3" 2.1 Mega-pixel Color CMOS Sensor |
| Total Pixels: | 1944 x 1092 |
| Effective Pixels: | 5.28 mm x 2.97 mm (16:9 aspect ratio; 6.06 mm diagonal) |
| Resolution: | 1080p or 720p |
| Angular Field of View: | 53 degrees wide |
| Min. Object Distance: | 10mm (wide) |
| Min. Illumination | 0.2 Lux |
| Signal to Noise Ratio: | min 50 dB |
| Fiber Optic Cable: | 62.5 u glass fiber |
| Iris Control: | Automatic |
| Video Output: | HDMI |
| Battery: | 12V 3.35A Li-ion Re- chargeable (Typical battery life with full charge, 9 hours) |
| Battery Charger: | 100-240 VAC, 50-60 Hz |
| Operating temperature: | 0° to +40° C |
| Storage Temperature: | -10° to +50° C |

Overall Dimensions

| | |
|---------|--|
| Camera: | 2.25" H x 5.5" D x 2.25" W (5.72 cm x 14 cm x 5.72 cm) |
| | Weight : 2 lb (0.90kg) |

Ordering Information

| | |
|---------------|----------------------|
| Product: | HD Mini Video Camera |
| Model Number: | MVC-06 |
| Warranty: | 1 year |

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

TDK RF Solutions Inc.
 1101 Cypress Creek Rd.
 Cedar Park, Texas 78613 USA
 Phone: 1-512-258-9478
 Fax: 1-512-258-0740
 E-mail: trs.sales@tdk.com
 World Wide Web: www.tdkrfsolutions.tdk.com



TOTAL RF EXPERTISE™



www.tdkrfsolutions.tdk.com

To learn more about TDK's wide range of innovative test products, solutions and services visit www.tdkrfsolutions.tdk.com

Copyright © TDK RF Solutions Inc. All rights reserved. Specifications subject to change without notice.

Rev. 2022-05-09