

LIMITED LIABILITY WARRANTY

Your new purchase from VITEK is guaranteed free defects in materials and workmanship for a period of one year 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 have been installed in accordance with the instructions given in the instruction manual and only compatible equipment may be connected to it.

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

Should the serial numbers be tampered with in any way then the guarantee will be considered null and void.

This guarantee does not affect your statutory rights.

Contact VITEK directly for all servicing.



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Smoke Detector Camera Product Manual

VT-SMKB1 VT-SMKC1



Before installing or operating the unit, please read this manual thoroughly and retain it for your reference



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK

DO NOT OPEN OR REMOVE COVER (OR BACK)

NO USER-SERVICEABLE PARTS INSIDE

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

12VDC Power Input Is Not Polarity Protected.

Use extreme caution when connecting 12VDC power to unit.

Do not attempt to disassemble the camera.

To prevent electric shock, do not remove screws or cover. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

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.

Do not expose the camera to rain or moisture, or try to operate it in wet areas.

Take immediate action if ever the camera does become wet. Turn power off and refer servicing to qualified service personnel. Moisture can damage the camera and also create the danger of electric shock.

Never face the camera toward the sun.

Whether the camera is in use or not, never face it toward the sun. Use caution when operating the camera in the vicinity of spot lights or other blight lights and light reflecting objects.

Do not operate the camera beyond its temperature, humidity or power source ratings.

Do not use the camera in an extreme environment where high temperature or high humidity exist. Use the camera under conditions where temperatures are within -10°C ~ +50°C, and humidity is below 80% RH.

Do not touch the CCD sensor directly with your fingers.

If necessary, use soft cloth moistened with alcohol to wipe off the dust.

Installation Steps

- 12VDC POWER INPUT IS NOT POLARITY PROTECTED
- Don't touch the CCD Chip with your fingers.
- Use the camera only with 12VDC power supply.
- Use a monitor with 75 ohm impedance.

- 1) Mount the camera securely.
- 2) Connect video using suitable coaxial cable with BNC-connector.
- 3) Connect the camera to a 12VDC power supply taking extreme care to match the polarity, as the power input is not polarity protected.

Improper power connection is not covered by warranty.

Camera Specifications

| | VT-SMKB1 | VT-SMKG1 |
|-----------------------------------|--|-----------------|
| Image Device | 1/3" B/W CCD | 1/4" Color CCD |
| Effective Pixels | 510 x 492 | |
| Resolution | 420 TV Lines | |
| Minimum Illumination | 0.2 Lux / F1.4 | 0.92 Lux / F1.4 |
| S/N Ratio | More Than 48dB | |
| Electronic Shutter | 1/60 to 1/100,000 sec. | |
| AGC | On | |
| Sync. Mode | Internal Sync. | |
| Scanning System | 2:1 Interlace | |
| Gamma Correction | 0.45 | |
| Horizontal Sync. Frequency | 15.734KHz | |
| Vertical Sync. Frequency | 60Hz | |
| Video Output | Composite: 1.0 Vp-p / 75ΩΩ | |
| Power Source | 12VDC | |
| Power Consumption | 120mA | 3.6W |
| Operation Temperature | -10° ~ 50°C (14° ~ 122°F) Less Than 80% RH | |
| Standard Lens | f3.6mm (2.9 / 6 / 8 / 12mm Optional) | |
| Dimensions (W x H) | 5.12" x 2.29" (130 x 58mm) | |
| Weight | 12.34 Oz. / 350 g. / 0.77 Lbs. | |