

VITEK INDUSTRIAL VIDEO PRODUCTS

USER'S INSTRUCTION MANUAL

MODEL VTS-RV1



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrow head symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

Do not use any power supply other than specified.

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

INFORMATION

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with DHHS Rule 21 CFR Subchapter J applicable at date of manufacture.

IMPORTANT SAFETY INSTRUCTIONS

1. READ INSTRUCTIONS:

All the safety and operating instructions should be read before the appliance is operated.

2. RETAIN INSTRUCTIONS:

The safety and operating instructions should be retained for future reference.

3. CLEANING:

Unplug this video monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

4. ATTACHMENT:

Do not use attachments not recommended by the video monitor manufacturer as they may result in the risk of fire, electric shock or injury to persons.

5. WATER AND MOISTURE

Do not use this video near water—for example, near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet bathroom, or near a swimming pool, or the like.

6. ACCESSORIES

Do not place this monitor on an unstable cart, stand or table. The monitor may fall, causing serious injury to a child or adult, and serious damage to the equipment. Wall or shelf mounting should follow the manufacturer's instruction, and should use a mounting kit approved by the manufacturer. Monitor equipment and cart combinations should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.



7. VENTILATION

Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to ensure reliable operation of the monitor equipment and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the monitor equipment on a bed, sofa, rug, or other similar surface. This monitor equipment should never be placed near or over a radiator or heat register. This monitor equipment should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

8. POWER SOURCES

This monitor equipment should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your monitor dealer or local power company.

9. POWER CORDS

Do not allow anything to rest on the power cord. Do not locate this monitor equipment where the cord will be abused by persons walking on it.

10. LIGHTING

For added protection for this monitor equipment during a lightning storm, or when it is left unattended and unused for a long period of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the video equipment due to lightning and power-line surge.

11. OVERLOADING

Do not overload wall outlets and extension cord as this may result in a risk of fire or electric shock.

12. OBJECT AND LIQUID ENTRY

Never push object of any kind into this video equipment through the openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

13. SERVICING

Do not attempt to service this video equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

14. DAMAGE REQUIRING SERVICE

Unplug this monitor equipment from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- A. When the power supply cord or the plug has been damaged.
- B. If liquid has spilled, or objects have fallen into this video equipment.
- C. If this video equipment has been exposed to rain or water.
- D. If the video product does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
- E. If the video product has been dropped, or the cabinet damaged.
- F. When the video product exhibits a distinct change in performance-this indicates a need for service.

15. REPLACEMENT PARTS

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

16. SAFETY CHECK

Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that video product is in proper operating condition.

• FEATURES

- It functions as a supplement to the rear view mirror of trucks, buses, and special vehicles. It can also be used in the hospital or Care-center to facilitate nursing.
- Crisp, high resolution picture or data display
- Both PAL/NTSC models are available
- 13 square inches viewing screen

GENERAL SPECIFICATION

Item	Specifications
Picture tube	5.5"
Power source	Battery 12 or 24V
Input signal/Impedance	1.0Vp-p/75Ω Composite video signal
Horizontal resolution	More than 600 Lines
System	PAL: 625Lines 50 Fields/Second NTSC: 525Lines 60 Fields/Second
Operating condition	Temperature:-10°C~+40°C Humidity:below 80% Rh
Front panel controls	Bright and Contrast built-in rotary potentialmeters
Dimension(WxHxD)	140x133x178mm
Weight(Net/Gross)	3kg/4kg

- Dimensions and weight are approximate.
- Design and specification are subject to change without prior notice.

CONTROLS and CONNECTIONS

(Please refer to the attached drawing while reading this instructions.)

(1) Power-On Switch

Push this switch you can view the picture. Normally, leave it unpushed when the monitor is used in backing a truck or a car. When you shift the gear in reverse, the picture appears automatically.

(2) Contrast Control:

Normally, it is not necessary to touch this control. When needed, turn it clockwise to increase the contrast and vice versa.

(3) Brightness Control:

Normally, it is not necessary to touch this control. When needed, turn it clockwise to increase the brightness and vice versa.

(4) A/B camera switcher:

This switch permits switching between picture viewed from camera A and camera B.

(5) Day/Night Switch:

This switch permits brightness compensation during daylight.

Push it when monitor used in the day and leave it unpushed at night.

(6) A/B Camera Picture Signal Input:

One or both of the camera input connectors can be chosen to connect cables from cameras. Please note that through these connectors the needed DC power can be sent to the cameras.

(7) Normal image/Mirror image Select Switch:

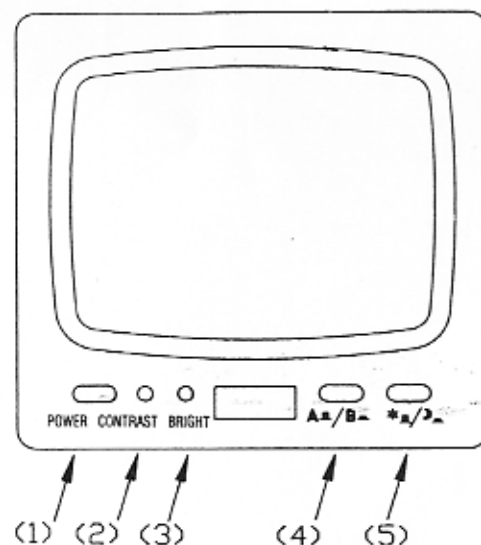
Please note that this switch has been set to mirror(Rev.Image)position by manufacturer. When you want to view from behind while you are backing a truck/car, be sure to set this select switch to the (Rev.Image)position. In this case, check to see if the image appearing on the display is reversed right to left, just as it appears on a rear-view mirror.

(8) DC 12~24V Power Connector:

Be sure to connect the wires correctly to prevent from damage.

Please note that the Red wire with fuse holder should be connected to car of truck battery, and Blue wire to reverse gear relay, Black wire to chassis ground.

Front controls



Rear Control and Connections

