



TRIPLETT

Test Equipment & Tools

CamView W35v

*Wrist Mounted Test
Monitor with 3.5" LCD*

Instruction Manual





- Thank you for purchasing the Triplet CamView W35v CCTV Monitor. Please read the complete manual carefully before using the product.
- To assure safe use of this product, please read the section on Safety carefully, and observe any Cautions or Warnings posted there and throughout this manual.
- Please keep this manual for future reference.

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1: Safety Information

Dear Customer:

For greatest safety and reliable operation, please follow these guide lines for use and care of the product. Please retain these instructions for future reference.

1. Do not expose the product to excessive dust or dirt, intense vibration, extreme humidity, or high temperatures.
2. If the product is damaged, there is a burnt smell, or smoke comes out of the case, immediately turn it off, take out the batteries, and unplug the charger. Continued use may result in a fire or injury to the user.
3. Do not take the product apart. Modifying the internal electronics may result in a fire or injury to the user.
4. Do not use the product with damaged cables or a damaged charger.
5. Do not pull or stress the cables plugged into the product. Doing so may damage the cables or the connectors on the product.
6. Do not use the product in a manner in which it may fall and be damaged.
7. Use only the rechargeable batteries provided with the product, or approved equivalents.

8. Do not drop, strike, bend, or crush the batteries. Do not place the batteries in a metal container. Failure to observe this precaution may result in a chemical leak, fire, or explosion.
9. Use only the charger provided with the product. Use of a different charger may result in fire or explosion.
10. Do not exceed the input voltage rating of the charger (110~240 VAC / 50/60 Hz).
11. If battery leaks, avoid any contact with your eyes, skin, or clothing. If contact occurs, flush immediately with water. If necessary, contact a doctor for additional instructions.
12. Clean the monitor with a damp cloth and mild detergent. Do not use solvents as they may damage the product's case or LCD screen.
13. When the product will not be used for more than 1 month, disconnect it from the charger and remove the batteries for storage.
14. When the batteries are charged, disconnect the charger to prevent overcharging.
15. Do not get the product wet. Do not submerge it in water. Injury or shock may result.

16. Do not leave the product exposed to direct sunlight.
17. Do not allow children to use the product.
18. It is normal for the product to heat up while being used.
19. It is normal for the product to heat up while its batteries are charging. If possible, place the product in a ventilated area while the batteries are charging.
20. If the LCD screen is damaged, avoid contact with leaking fluid. Wash hands with soap and water. Flush eyes with water.
21. This product may interfere with sensitive electronic equipment. Do not use in areas where prohibited (such as airplanes or hospitals).

2: Introduction

The Triplett CamView W35v is a portable battery operated video monitor designed to aid CCTV and Security electronics installers and maintenance technicians. It's high contrast 3.5" LCD screen provides a large image that is especially useful for adjusting camera setup, focus, and positioning, as well as viewing the video signal from DVR's, DVD's, VCR's, or other video equipment. It is provided with an adjustable band for use as a wrist monitor, and it also includes a built-in stand for desktop operation. A 12VDC (350mA) output is provided to power a typical video camera, allowing complete camera setup before the rest of the installation has been completed. BNC video input and output jacks allow video to be 'Looped Thru' the CamView for local as well as remote display. Audio is supported with a built in speaker and audio input and output connections. The rugged yet lightweight construction and ergonomic design maximizes convenience and portability, and the 6 hour NiMH rechargeable battery delivers extended runtime. All video settings (Brightness, Contrast, Saturation, Sharpness) are adjustable via an On Screen Menu. The Triplett CamView W35v is an efficient time saving test tool that will enhance any professional tool kit.

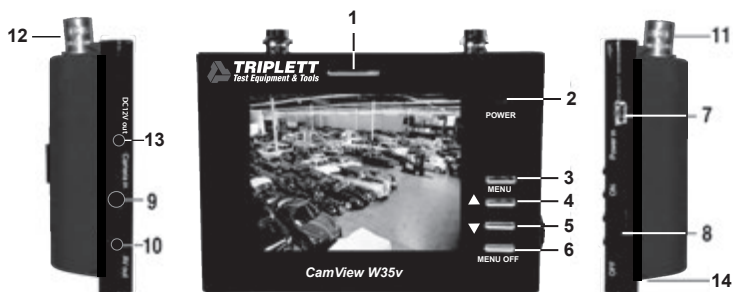
3: Features

- 3.5" High Contrast Active Matrix TFT LCD Screen
- High Brightness Daylight Viewable Display
- Wrist Mount or Desktop Use
- 6 Hour Rechargeable Batteries Included
- BNC Video Input Jack
- BNC Video Output Jack (Loop Thru)
- 12VDC (350mA) Output to Power Video Camera
- On Screen Display of Video Settings
- Audio Support (built in speaker)
- Auto NTSC/PAL Operation
- Auto Standby Mode Saves Battery Power
- Tripod Thread
- SilkGrip Finish
- Carrying Case Included
- Cables Included
- 1 Year Warranty

4: Included Items

- CamView W35v
- NiMH Batteries
- Battery Charger
- Adjustable Wrist Strap
- BNC Jumper Cable
- RCA Audio/Video Input Cable
- RCA Audio/Video Output Cable
- 12V Power Cable with 5.5mm Coaxial Connector
- Instruction Manual
- Storage Box
- Carrying Case

5: Controls and Indicators



1. Built-in 1 Watt speaker
2. Power / Charging Indicator, Bi-color LED (Red, Green)
3. MENU / Select Button
4. Increase Setting
5. Decrease Setting
6. MENU OFF
7. Charger Input (Power in)
8. Power Switch (OFF / ON)
9. Audio/Video Input (Camera in)
10. Audio/Video Output (AV out)
11. BNC Video Input
12. BNC Video Output
13. 12VDC Camera Power
14. $\frac{1}{4}$ x 20 Mounting Thread

Note: Refer to these identification numbers later in these instructions.

6: Battery Information

To obtain the maximum battery life and avoid battery leaks, fire or explosion, observe the following instructions and warnings.

- Please charge the batteries before the first use of the product.
- If the product is unused for several weeks, the batteries will slowly discharge by themselves. Recharge the batteries before use.
- It is normal for batteries to heat up while charging or discharging.
- Battery performance is reduced at low temperatures. If cold, allow the batteries to warm gradually. Do not warm the batteries with a heater or oven. This could cause the batteries to explode.
- It is normal for batteries to age and exhibit reduced performance after several hundred charging cycles. If the batteries won't operate the product for the stated time (6 hours) or the batteries do not hold a charge, replace the batteries with equivalent types.
- If the product will not be used for some time, remove the batteries and store them in a dry location with moderate temperature and humidity.

- Do not transport or store the batteries in a metal container or with other metal objects.
- Do not throw batteries into a fire. They may explode.
- Discard old batteries in an approved manner.

6: Installing and Charging the Batteries

- Refer to the following figures to install the batteries.



Flip the Stand up, pull it up, and twist it around out of the way of the battery cover.



Remove the battery cover, sliding it in the direction of the arrow molded in the plastic .



Install the batteries observing proper polarity. The flat end of the battery goes against the coil spring. Notice that the coil springs alternate on the side of the battery compartment. The batteries are installed in 'zig-zag' fashion.



Replace the battery cover and reposition the Stand so it fits into the cover.

- Plug the charger into the power source (wall outlet) then plug the charger cable into the connector (7) on the side of the product. Observe Indicator LED(2). The LED should light up red and flash twice slowly (as the product tests the batteries) then turn on solidly to indicate the batteries are charging. If the LED begins to flash quickly, there is a problem with the batteries. They may be installed incorrectly, there may be a bad connection, or one or more of the batteries are defective.
- When the red LED turns off the batteries are close to being fully charged. 10 minutes of additional charging time will fully charge the batteries. Usually, the batteries can be fully charged in 1.5 hours or less. It is normal for the batteries to warm up when charging.
- The batteries will not charge if the temperature is too low (below 32 degrees F).

- Do not charge the batteries in a place where the temperature exceeds 140 degrees F. The batteries may be damaged or may explode.
- Fully charged batteries will not charge again until they are depleted. Partially discharged batteries may be recharged at any time.
- The charger is only rated for indoor use.
- The product may be operated while the batteries are charging. In this case, the batteries will take longer to charge than if the product is turned off.
- **Emergency Alkaline Battery Use:** The product can operate from 4 alkaline AA cells. If the rechargeable batteries are defective, they can be temporarily replaced with AA alkaline batteries. **NEVER CONNECT THE CHARGER TO THE PRODUCT IF IT HAS ALKALINE BATTERIES INSTALLED!!! THE BATTERIES MAY EXPLODE AND INJURE THE USER!!!**
- For the maximum battery life, disconnect the charger from the product once the batteries are fully charged.

8: General Instructions

Turning the Product On:

After charging the batteries (see Section 7), slide switch (8) to its upper position to turn the product on. When operating from batteries, the LED should light up green.

The CamView W35v continually tests for the presence and type of video signals applied to its input. It will automatically detect NTSC or PAL video signals, select the appropriate format, and display the video image.

If no video signal is present, the product will enter a power saving Standby mode. The screen will go black. The green LED will remain lit.

If video is present, it will be displayed on the LCD screen.

Connecting the Video and Audio Inputs:

A video signal can be connected to the CamView W35v in two places. For the best durability, the BNC video input jack (11) should be used. The video input on the side of the W35 (9) uses a mini-plug and is more easily damaged than the BNC. However, if you need to put audio into the monitor, the side connector (9) will have to be used with the provided A/V cable.

Connecting the Video and Audio Outputs:

Video outputs are provided in two places on the CamView W35v. For the best durability, the BNC video output jack (12) should be used. The video output on the side of the W35v (10) uses a mini-plug and is more easily damaged than the BNC. The video out can be used as a 'Loop-Thru' to connect a remote video monitor, as well as the CamView, to the camera being tested. This way, the camera technician can view the camera video, and send it on to another location for viewing there. Using the video output reduces the signal level, so the brightness of the image on the CamView may drop slightly when the video output is connected. If you need to use the audio output, the connector on the side (10) needs to be used with the provided cable.

Note: Connecting a long unterminated cable to the video output may cause a 'ghost' image to appear on the screen. This will not occur with properly terminated cables.

Using 12VDC Camera Power:

12VDC at 350mA is provided via jack (13) on the side of the CamView. This power source will operate many standard box or dome cameras. Some cameras, especially PTZ models, may require more power than the CamView can provide. Some cameras may require a different power source (like 5VDC or 24VAC). (Continued on next page)

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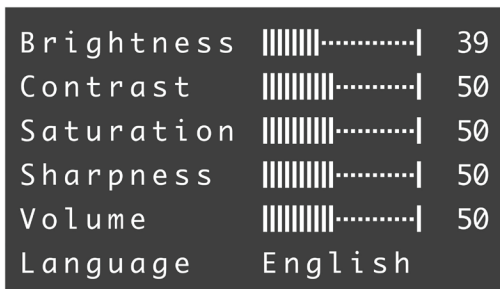
Using 12VDC Camera Power Continued:

When the 12VDC output is being used, the battery life of the CamView is reduced to as little as 1 hour, depending on the load presented by the camera. Hence, for maximum battery life, it is advisable to only power up the camera as necessary and to complete the adjustments in the most efficient manner. The provided power cable terminates in a 5.5mm male coaxial connector. The center pin is positive polarity. The connector matches the connector found on many basic video cameras. Professional cameras often use bare wire power connections to screw terminals or wire clamps. The user must provide whatever adaptor is necessary to work with the camera brands he installs.

Adjusting the Screen Settings:

To adjust the screen settings, a good video signal must be applied to the monitor. If a video signal is not applied, the OSD (On Screen Display) cannot be accessed.

With a video signal applied to the monitor, press and release the MENU key (3). The OSD will appear as shown in the following figure.



On Screen Display (OSD)

The factory settings are defaulted to “50”. When the settings are changed, the CamView W35v will remember them, even when the power is turned off.

To select a specific setting to be altered, observe the location of the yellow cursor bar and press and release the MENU key (3) repeatedly until the bar highlights the desired setting.

Then use the “▲” key (4) or “▼” key (5) to change the value of the setting as desired.

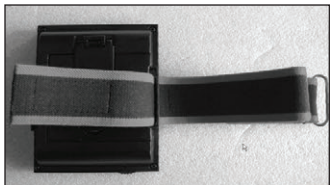
If another setting needs to be changed, again use the MENU key again to highlight the desired setting, then use the “▲” key (4) or “▼” key (5) to change the value of the setting as desired.

‘Brightness’, ‘Contrast’, ‘Sharpness’, ‘Volume’, and ‘Language’ (English, Italian or Chinese) are self explanatory. ‘Saturation’ adjusts the amount of color in the image from ‘Black and White’ to ‘Fully Saturated’. ‘50’ is the normal setting.

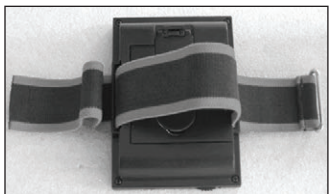
Once everything is adjusted as desired, press and release the MENU OFF key (6) to turn off the OSD and return to the video display mode.

Using the Wristband:

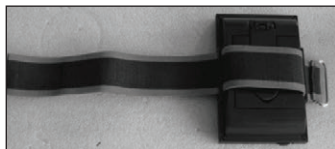
Refer to the following figures to attach and use the wristband.



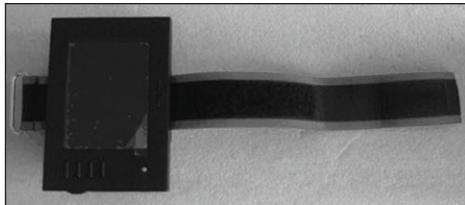
With the monitor face down, install the wristband through one slot as shown. The Velcro strips should be facing down.



Put the end of the wristband through the other slot as shown.



Pull the wristband completely through the slots until the metal buckle is against the first slot.



Front view of monitor and wristband



Place monitor against wrist or arm with wristband hanging over arm. Bring end of wristband around back of arm and insert it through the buckle from the back, pulling it all the way through. Fold and pull end of wristband back over itself, adjusting to the desired tension, and secure against the Velcro strips.

Using the Stand as a Belt Clip:

Refer to the following figures to use the Stand as a Belt Clip.



Pull the stand out and let it hang loose.



Slip the end of the Stand over belt or waist of pants.

Using the Stand:
Refer to the following figures.



Pull the stand out and let it hang loose.



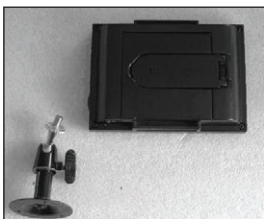
Pull Stand up (there is a spring inside) and rotate it by 90°. Release



Prop monitor up using the Stand.

Using the Mounting Thread:

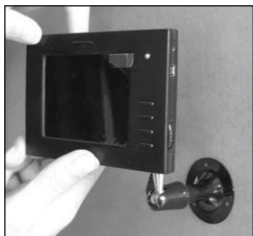
Attach the monitor to a tripod or mounting bracket (not supplied) as shown in the following figures.



Mounting bracket with $\frac{1}{4}$ x 20 thread.



Screw the bracket into the female thread on the bottom of the monitor.



Attach the bracket to wall or other surface.

Standby and Low Battery:

When the battery is low, the LED (2) won't light when the power switch (8) is turned on.

There is a narrow region of battery voltage where the LED will light up green, but the monitor won't operate. This can be mistaken for the Standby mode.

If the monitor is in Standby, a video signal applied to the monitor's video input will turn it on.

Video and Audio Output:

Video and Audio can be fed out of the monitor and sent to an external monitor or recording device. Use the supplied cable.

9: Specifications

Display	3.5" High Contrast Active Matrix TFT LCD Screen
Video Formats Supported	NTSC and PAL
Resolution	320 x 240
Aspect ratio	4:3
Viewing Angle	40/60/60/60 (up/down/left/right)
Brightness	250cd/m ²
Contrast	350:1
Response time	25ms
Video Level and Impedance	1.0Vp-p 75ohm
Audio Speaker	1W
Video Adjustments via On Screen Display (OSD)	Brightness, Contrast, Saturation (Color), Sharpness, Volume, Language

Connectors	Audio/Video Input (3.5mm, 4 circuit), Audio/ Video Output (2.5mm, 3 circuit), Charger Input (mini USB), Video Input (BNC), Video Output Loop Thru (BNC)
Battery Life (with full charge)	6 Hours continuous operation, 12 Hours Standby 1 hour when using fully loaded 12VDC output
Batteries	AA 1.2V 2500mAH NiMH x 4
AC Charger	Input 110 ~ 240V-50/60Hz-0.30A Output DC 12V/1.5A
12VDC Camera Power	350mA max. Short Circuit Protected
Battery Recharge Time	Approximately 1.5 Hours
Power consumption	3 to 4 watts depending on settings
Working Temperature	32 to 120 degrees F
Storage Temperature	0 to 120 degrees F
Relative humidity	5 ~ 95%RH

Product dimensions 4 $\frac{3}{4}$ " x 3 $\frac{3}{4}$ " x 1 $\frac{1}{4}$ "

Weight 10 Ounces

10: Troubleshooting

Problem	Reason	Solution
Won't turn on	Batteries discharged	Charge battery
	Batteries installed incorrectly	Install batteries correctly
	Bad battery connections	Clean the battery terminals
	No video signal input	Apply video signal to the input
Monitor turns off	Batteries discharged	Charge battery
	Video signal removed	Reapply video signal
Short battery life	Battery is cold	Warm monitor before using
	Bad battery connections	Clean the battery terminals
	Battery has been charged too many times	Replace with new batteries
Batteries won't charge	Batteries installed incorrectly	Install batteries correctly
	Battery has been charged too many times	Replace with new batteries
Charging too slow	Temperature is too low	Charge battery at indoor temperature

Problem	Reason	Solution
Indicator LED is normal but battery doesn't charge	Bad battery connections	Clean the battery terminals
	Battery has been charged too many times	Replace with new batteries
No video display	No video input	Check video source and connections
	Bad cables	Replace cables

11: Triplett One Year Limited Warranty

Triplett warrants instruments and test equipment manufactured by it to be free from defective material or workmanship and agrees to repair or replace such products which, under normal use and service, disclose the defect to be the fault of our manufacturing, with no charge within one year of the date of original purchase for parts and labor. If we are unable to repair or replace the product, we will make a refund of the purchase price. Consult the Instruction Manual for instructions regarding the proper use and servicing of instruments and test equipment. Our obligation under this warranty is limited to repairing, replacing, or making refund on any instrument or test equipment which proves to be defective within one year from the date of original purchase.

This warranty does not apply to any of our products which have been repaired or altered by unauthorized persons in any way so as, in our sole judgment, to injure their stability or reliability, or which have been subject to misuse, abuse, misapplication, negligence, accident or which have had the serial numbers altered, defaced, or removed. Accessories, including batteries and fuses, not of our manufacture used with this product are not covered by this warranty.

ALL WARRANTIES IMPLIED BY LAW ARE HEREBY LIMITED TO A PERIOD OF ONE YEAR FROM DATE OF PURCHASE, AND THE PROVISIONS OF THE WARRANTY ARE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED.

11: Triplett One Year Limited Warranty Cont.

The purchaser agrees to assume all liability for any damages and bodily injury which may result from the use or misuse of the product by the purchaser, his employees, or others, and the remedies provided for in this warranty are expressly in lieu of any other liability Triplett may have, including incidental or consequential damages.

Some states (USA ONLY) do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. No representative of Triplett / Jewell Instruments or any other person is authorized to extend the liability of Triplett in connection with the sale of its products beyond the terms hereof.

Triplett reserves the right to discontinue models at any time, or change specifications, price or design, without notice and without incurring any obligation.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.



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