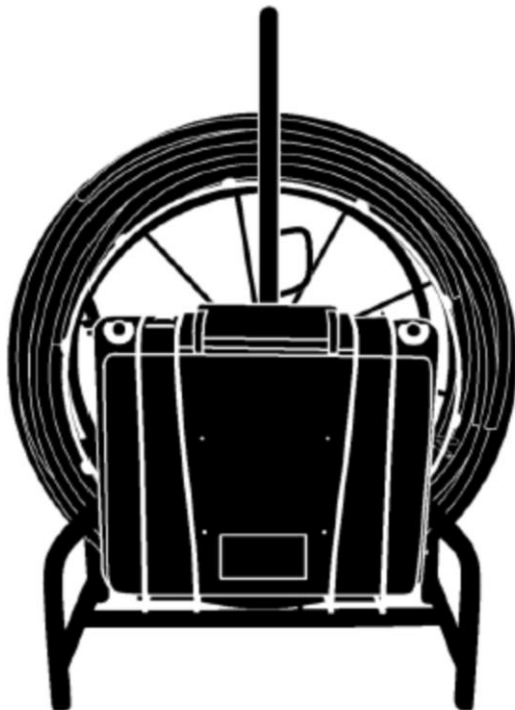


MANUAL



FAST CAM

WWW.INSIGHTVISIONCAMERAS.COM | POWERED BY INSIGHT VISION | 800-488-8177



Leading Edge Sewer Cameras

SEWER CAMERA MANUFACTURER

600 Dekora Woods Blvd.
Saukville, WI 53080, USA
Fax: 262-268-9950
www.insightvisioncameras.com

General Safety Guidelines

WARNING: Read all safety warnings and guidelines.

Failure to follow the warnings and instructions may result in electrical shock, fire, and/or serious injury.

Work Area Safety Guide

Keep your work area clean and dry as possible.

Do not operate equipment in explosive or flammable environment.

Keep children away when operating the system.

Electrical Safety Guide

Do not expose equipment to rain or wet environment.

Keep hands dry and all electrical connections dry.

Do not abuse the power cord.

Personal Safety Guide

Be alert and aware of your environment.

Be prepared and follow instructions.

Use protective equipment when using the equipment.

Use Equipment with Care

Do not force the equipment.

Do not allow inexperienced operator to use the equipment.

Maintain equipment and use only accessories that are recommended by the manufacturer.

Use Battery with Care

Use equipment only with specific external battery pack.

Recharge with the charger specified by the manufacturer.

If you need to contact customer service or for immediate assistance, contact Insight Vision.

Phone:	800-488-8177
Fax:	262-268-9952
Email Technical Service:	service@insightvisioncameras.com
Email Sales & Support:	sales@insightvisioncameras.com
Web Inquiry:	www.insightvisioncameras.com

Please complete the following information for future reference:

Serial Number: _____

Date of Purchase: _____

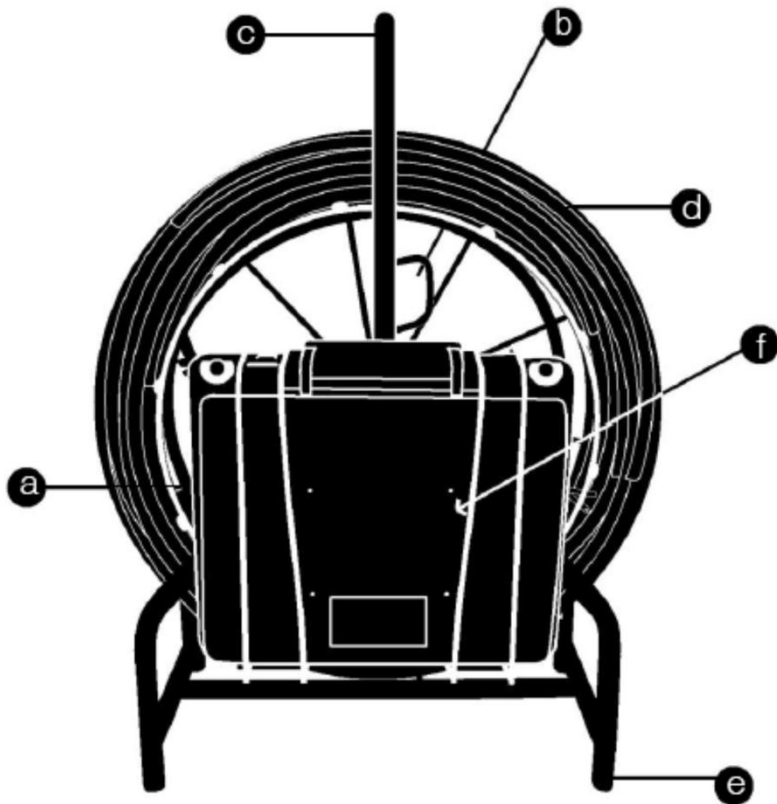
Place of Purchase: _____

The serial number is on the back of the unit. Retain this manual with your sales receipt as a permanent record of your purchase, in the event of theft, fire or warranty service.



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DIAGRAM & SPECIFICATIONS

- A. Camera Head
- B. Cable Guide
- C. Powder Coated Frame
- D. Heat Treated Epoxy Sealed SV Cable
- E. Rubber Feet
- F. Control Box

Included But Not Pictured: 7" LCD Color Monitor, 512 hz Built in Sonde



EQUIPMENT SPECIFICATIONS

- FAST CAM Standard Fixed Head
Dimension: 1.38" Diameter
Pipe Size: 2" Pipe + (2" Pipe Depends on Condition of Pipe)
- High Tension Inspection Cable Push Capacity:
100' – 500' (depending on condition of line)
- Powder Coated Steel Reel
20" in Diameter
- Camera Material
Stainless Steel
- Depth Rated
Submersible to 25'

SAFETY INSTRUCTIONS

- 1.) Keep all buttons, handles, switches clean of oils & grease. Please avoid setting monitor directly in water.
- 2.) Prior to use inspect all buttons, handles, switches to make sure they are in working order. If equipment is malfunctioning please do not operate. See trouble shooting guidelines in back of manual.

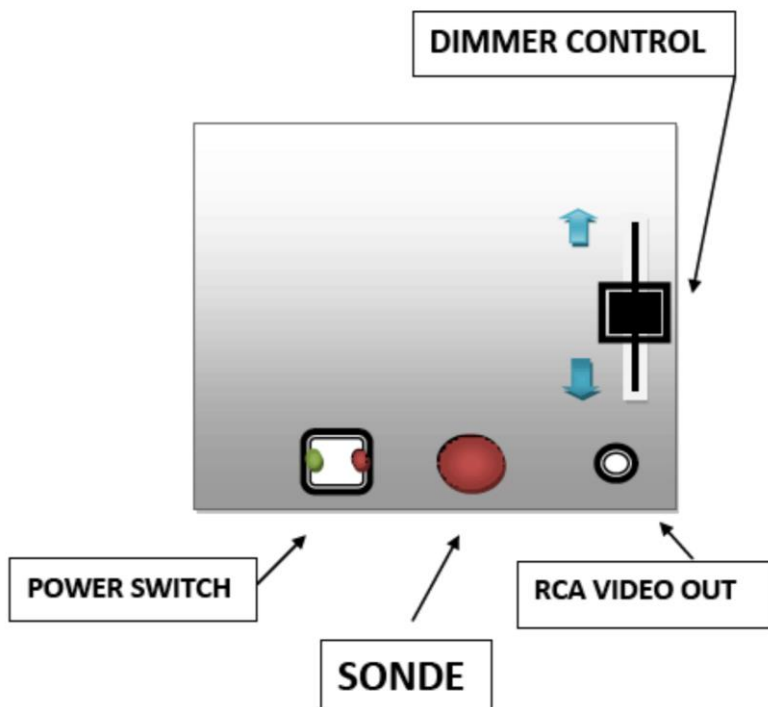
CONTROL PANEL

Diagram 1.A:

Dimmer Control – Dim LED Lights as Needed

Video Out Put

Sonde – Turn on to activate 512 Hz Sonde

Power Switch – Turns on the main power to the entire system

FAST CAM

FAST CAM Inspection Camera

Once you have inspected all components to make sure that they are not damaged or broken, plug the unit into an outlet. At that time the LED indicator light on the power switch will be red. Press the power switch and it will turn green turning the power on to the unit. You may need to press the power switch on the monitor if this is the first time the system has been started. You do not need to power the monitor off after use as the main power switch will do this for you.

Check to see if the lights on your camera head are on. If they are proceed to the next step, if they are not check your power receptacle and refer to the trouble shooting section of your manual.

SONDE Option:

Your camera came equipped with a 512 Hz transmitter, built inside the camera head. Please refer to the previous diagram 1.A to activate the built in transmitter. Simply press the sonde switch located on the main control panel. The switch will light up red. You will need to be sure to have your locator set to 512Hz or you will not be able to locate the transmitter.

- NOTE when sonde is activated you will have a scrambled video signal or no signal at all.

DVR Option:

Your camera also came with a DVR. This will allow you to record the image that you see. You will need a 2-32GB SD card to capture the video. Insert the SD card. Press the V2 Button on your monitor (please refer to your monitor manual), and follow the on screen instructions.

TROUBLE SHOOTING

The trouble shooting guide lines below are designed to help you out in the field. If you cannot figure out the problem or fix it without voiding your warranty, please call the number listed in the back of your manual to speak with a repair technician.

LIGHTS TURN ON – NO VIDEO

Possible problems:

- Monitor Not Functioning
- Faulty Video Cable
- Broken or loose connection in Camera Head

TRY THIS:

First plug the camera system into another monitor or standard television that accepts standard RCA connections. If you get a picture then you know the problem is located in your monitor.

If you still have no picture on another monitor try changing the video cable that goes from your reel to your monitor. Any standard RCA adapter will work with your camera system.

If you have no picture with a new cable and another monitor then the problem is located with the camera system. Call the repair department to get the proper instructions on how to have the equipment diagnosed.

VIDEO WORKS—LIGHTS DON'T TURN ON

Possible Problems:

- Lights Burnt out
- Dimmer Control Switch Turned Down
- Dimmer Control Switch Broken
- Broken or loose connection in Camera Head.

TRY THIS:

Turn dimmer control all the way down and then all the way back up. Check to see if GFCI is working properly with the camera system. If problem still persists please contact the repair department to have unit diagnosed.

NO LIGHTS - NO VIDEO

Possible Problems:

- Broken or damaged control box.
- Damaged or faulty connection with in camera head

Please call the repair department for instructions on how to have the equipment diagnosed.

HORIZONTAL WAVY LINES ACROSS SCREEN

Possible Problems:

- 512 Hz Transmitter Built in Head is in the ON position.
- Faulty Video Cable
- Dirty Monitor

TRY THIS:

If the transmitter that is built inside the camera head is in the ON position, the frequency that it puts out interferes with the camera head frequency, and will create wavy lines across your monitor. Inspect your pipe and then locate to avoid picture distortion.

If your equipment is not equipped with a transmitter built in the head or you have lines across your screen while it is in the OFF position try changing the video cable that goes from your reel to your monitor. Any standard RCA adapter will work with your camera system.

If the suggestions above have not eliminated the problem there is a possibility that your MONITOR or RECORDING DEVICE is dirty and needs to be cleaned. See Monitor Instruction Booklet for cleaning instructions. If problem persists please contact a repair technician at **INSIGHT | VISION**.

“NO SIGNAL” FLASHING ON MONITOR**Possible Problems:**

- Wrong setting set on Monitor or Recording Device
- Faulty Video Cable
- Broken or damaged monitor or recording device
- Broken or loose connection in camera head or control box.

TRY THIS:

Read Monitor or Recording Device instruction manual to make sure you are on the proper settings. Be sure to check the batteries in all remote controls.

If you are on the proper settings plug the camera system into another monitor or standard television that accepts standard RCA connections. If you get a picture then you know the problem is located in your monitor. If you still have no picture on another monitor try changing the video cable that goes from your reel to your monitor. Any standard RCA adapter will work with your camera system.

If you can play back on the Monitor or Recording Device and none of the solutions above have worked, the equipment will need to be diagnosed by a technician please call the repair department.

BLURRY OR SCRAMBLED PICTURE**Possible Problems:**

- Monitor Broken or Damaged
- Seal broken or compromised
- Moisture in head
- Camera Head Fried
- Faulty Video Cable

TRY THIS:

First plug the camera system into another monitor or standard television that accepts standard RCA connections. If you get a clear picture then you know the problem is located in your monitor. (See monitor instructions)

If you still have a blurry or scrambled picture on another monitor try changing the video cable that goes from your reel to your monitor. Any standard RCA adapter will work with your camera system.

Look at camera head and check for any type of moisture. If head has

been tampered with or abused a seal may have broken and allowed moisture into the head. This would cause a blurry or scrambled picture. Camera System should then be diagnosed by a repair technician.

COLORFUL IMAGES DISTORTED COLORS

Possible Problems:

- Monitor Broken or Damaged
- Seal broken or compromised
- Moisture in head
- Camera Head Fried
- Faulty Video Cable

TRY THIS

First plug the camera system into another monitor or standard television that accepts standard RCA connections. If you get a clear picture then you know the problem is located in your monitor. (See monitor instructions)

If you still have a distorted or bright colorful images on another monitor try changing the video cable that goes from your reel to your monitor. Any standard RCA adapter will work with your camera system.

Look at camera head and check for any type of moisture. If head has been tampered with or abused a seal may have broken and allowed moisture into the head. This would cause the camera head to fry and create strange distorted colors to form on the screen. Camera System should then be diagnosed by a repair technician.



WARRANTY INFORMATION

LIMITATION OF LIABILITY

NOTE - All Warranties offered by or passed through **INSIGHT VISION** to you the customer include parts and labor. Freight charges will NOT be accepted under warranty claims.

NOTE -All **INSIGHT VISION** and Factory Warranties are not transferable.

NOTE -The warranty contained herein is in lieu of all other warranties express or implied, including any implied warranty of fitness for particular purpose.

NOTE - It is understood that a manufacturers limited warranty pertains to equipment used in its prescribed manner, without abuse, and does not include wear and tear.

NOTE - All freight charges incurred on warranty situations are the responsibility of the customer.

NOTE - . **INSIGHT VISION** and Equipment Manufacturer liability for special, incidental, or consequential damages is expressly disclaimed. In no event shall any liability exceed the purchase price of the product in question.

NOTE - Specifications, Warranties and Pricing are subject to change without notice.

Manufacturer will, at its option, replace or repair* without charge to the original purchaser, any part or parts manufactured by it and found, upon examination, to be DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP if received for such examination within the stated warranty period (1 YEAR), which begins on the date of original purchase.

Damage resulting from accident, abuse, or neglect are conditions under which warranty cannot be claimed. Nor will warranty apply to damage resulting neither from failure to follow the manufacturer's instruction for operation and maintenance nor from the improper selection of a particular application.



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All transportation charges on, and damage and loss incurred in connection with the transportation of parts submitted for replacement or repair under this WARRANTY shall be borne by the purchaser.

No other warranties, guarantees, or liabilities, either implied or expressed, will be the responsibility of **INSIGHT VISION**

For warranty or service work please contact **INSIGHT VISION**. Read the following information for contact details.

INSIGHT | VISION

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*Refund does not include shipping/handling fees. No refund will be given for installation kits. Customer is responsible for lost or misdirected packages. It is recommended that the customer insure the package for its full retail value. This warranty does not cover or include any damage as a result of acts of God, improper installation, alteration, negligence or abuse.