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› Vividia VS-749 All-in-One Pipe Sewer Drain Tube Video Inspection Camera User Manual

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Vividia VS-749 All-in-One Pipe Sewer Drain Tube Video Inspection Camera User Manual

Model: VS-749

1. PRODUCT OVERVIEW

The Vividia VS-749 is a comprehensive video inspection system designed for examining pipes, drains, sewers, ducts, chimneys, and other enclosed spaces. Its all-in-one compact design ensures portability and durability for various professional applications.



Figure 1: Vividia VS-749 All-in-One Pipe Inspection Camera system.

Key Features:

- **All-in-One Compact Design:** Portable and robust for demanding environments.
- **Long Push-Rod Cable:** 40 meters (131 feet) fiberglass cable for extended reach.
- **Waterproof Camera Head:** 23mm diameter camera with Sony CCD sensor and 480P resolution.
- **7-inch LCD Monitor:** For clear viewing of inspections.
- **Recording Capability:** Capture pictures and videos, saved to an SD card.
- **Bright LED Illumination:** Adjustable LED lights on the camera head.
- **Meter Counter:** Built-in counter to track cable insertion distance.

2. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with setup.



Figure 2: Included accessories for the Vividia VS-749 system.

- VS-749 Control Box with 7" LCD Monitor and Keyboard
- Fiberglass Push-Rod Cable Reel with 23mm Camera Head
- Power Adapter
- Car Charger
- Remote Control
- Screwdriver
- Skids (various sizes)
- Connection Cable
- User Manual (this document)

3. SETUP INSTRUCTIONS

Follow these steps to set up your Vividia VS-749 inspection camera.

3.1 Initial Assembly

1. **Unpack Components:** Carefully remove all components from the packaging.
2. **Mount Control Box:** Place the control box securely onto the cable reel frame. Ensure it clicks into place or is fastened according to the design.



Figure 3: Control box mounted on the cable reel frame.

3. **Connect Camera Cable:** Connect the camera cable from the reel to the designated port on the control box. Ensure a secure connection.
4. **Power On:** Connect the power adapter or car charger to the control box and a power source. Press the power button to turn on the system.
5. **Insert SD Card:** Locate the SD card slot on the control box and insert a compatible SD card for recording.

3.2 Attaching Skids (Optional)

Skids can be attached to the camera head to protect it and help center it within larger pipes, improving visibility and maneuverability.

1. Select the appropriate skid size for the pipe diameter.
2. Carefully attach the skid to the camera head by screwing it on or snapping it into place, ensuring it is firm and secure.

Easy to carry



Figure 4: Various skids for the camera head.

4. OPERATING INSTRUCTIONS

This section details the operation of the Vividia VS-749 inspection camera.

4.1 Basic Operation

1. **Power On:** Press the green power button on the control panel to turn on the monitor.
2. **Monitor Display:** The 7-inch LCD monitor will display the live feed from the camera.
3. **Cable Deployment:** Slowly push the fiberglass cable into the pipe or area to be inspected. The built-in meter counter will display the inserted distance.
4. **Adjust LED Lights:** Use the LED brightness control buttons on the control panel to adjust the illumination level of the camera head. Increase brightness in dark environments and decrease to avoid glare.

4.2 Recording Photos and Videos

The system supports one-touch video/audio recording and image capture, saving files to the inserted SD card.

1. **Take a Photo:** Press the "Photo" button (usually indicated by a camera icon) to capture a still image.
2. **Start/Stop Video Recording:** Press the "Record" button (usually indicated by a red dot or REC icon) to start video recording. Press it again to stop.
3. **Playback:** Access the playback menu to review captured photos and videos.

Your browser does not support the video tag.

Video 1: Demonstration of the Vividia VS-749's self-leveling camera and recording functions.

Your browser does not support the video tag.

Video 2: General operation, including zoom and recording features, applicable to various Vividia pipe inspection cameras.

4.3 Zoom Function

The system features an 8-level digital zoom function to magnify the live image or recorded media.

1. Use the "Zoom In" and "Zoom Out" buttons on the control panel to adjust the magnification.

4.4 Self-Leveling Camera Head

The 23mm camera head features a self-leveling function, ensuring the image remains upright regardless of the camera's rotation within the pipe.

4.5 Sonde Transmitter (Optional)

If equipped with the optional 512Hz Sonde transmitter, a compatible locator (sold separately) can be used to pinpoint the camera's exact location underground or within walls.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Vividia VS-749.

5.1 Cleaning

- **Camera Head:** After each use, gently clean the camera lens and housing with a soft, damp cloth. Avoid abrasive materials or harsh chemicals.
- **Cable:** Wipe down the fiberglass cable with a damp cloth to remove dirt and debris before coiling it back onto the reel.
- **Monitor and Control Box:** Use a soft, dry cloth to clean the monitor screen and control panel.

5.2 Replacing Camera Covers

The camera covers are replaceable to maintain optimal image clarity and protection.

1. Unscrew the old camera cover from the camera head.
2. Carefully place a new, clean camera cover onto the camera head and screw it on until secure. Do not overtighten.

7' LCD monitor DVR Shelf-leveling



Distance counter



512Hz optional

Figure 5: Replacing the protective camera cover.

5.3 Storage

Store the system in its original waterproof carrying case in a cool, dry place when not in use.

6. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
No image on screen.	Camera cable not connected properly; power issue.	Ensure camera cable is securely connected. Check power supply and battery level.
Cannot record photos/videos.	No SD card inserted; SD card full or corrupted; incorrect format.	Insert a formatted SD card. Check available space. Format the SD card if necessary (refer to system settings).
Image is blurry.	Dirty camera lens/cover; focus issue (if applicable).	Clean the camera lens and cover. Ensure the camera is within its optimal focal range.
LED lights not working or dim.	Brightness setting too low; LED malfunction.	Adjust LED brightness using the control buttons. If problem persists, contact support.

7. SPECIFICATIONS

Feature	Detail
Model Name	VS 749plus
Camera Diameter	23mm
Cable Length	40m (131ft) Fiberglass Push Rod
Video Capture Resolution	480p
Screen Size	7 Inches LCD
Sensor Type	Sony CCD
Water Resistance Level	Waterproof (Camera Head)
Media Type	SD Card (Max 256G)
File Format	AVI
Audio Recording	Yes
Connectivity Technology	USB
Battery Life	Approximately 6 hours

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact the seller directly. For technical support or inquiries, please contact Oasis Scientific Inc.

- **Seller:** Oasis Scientific Inc.
- **Amazon Store:** VIVIDIA Store on Amazon

