

20M – 50M RVI Pipe Camera



The RVI PC is a rugged Pipe Camera with a 5mm diameter fiberglass rod, 20 meter to 50 meter customizable lengths and interchangeable camera heads up to 28mm in diameter. Includes 12 levels of LED light control and a 7" monitor ready for video/ audio recording or still images. Equipment is enclosed in heavy duty ABS case.



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1. Highlighted Features

- Camera Heads Available from 6mm-28mm Dia
- 12 levels of LED light control
- Video/Audio Recording
- 7" Handheld Monitor
- 20m-50m Standard Push Rod
- Ø5mm Fiberglass Rod
- #18650 Li-ion Battery and Charger ABS Carry Case
- Ø40mm - 80mm Skids
- Stainless Steel Stand Rail

2. Safety & Notice

- Do not attempt to insert or charge a battery not designed for this inspection system.
- Use the power supply only on even surfaces, without any cover. Open air and circulation around the product must be available. The maximum ambient temperature is 50 °C.
- Risk of explosion may occur if an incorrect battery type is inserted or used. Dispose of used batteries according to their instructions.
- Keep the inspection system and its accessories out of the reach of babies, toddlers, and children. In particular, small parts such as memory cards and battery could be easily dismantled and swallowed.
- Use only the original accessories to avoid possible risks to health and property, and thus meet all related legal regulations.
- When using the LED lights, do not look directly into the light to avoid injury.
- In very rare occasions, Li-ion Batteries such as the one provided with this inspection system could explode if a conductive material such as jewelry, keys or beaded chains touch exposed terminals. The material may complete an electrical circuit and become quite hot. Exercise care in handling any batteries, particularly when placing it inside your pocket, purse, or other container with metal objects. In such an event, this could result in property damage, injury or burns. Do not dispose of batteries in fire as they may explode.

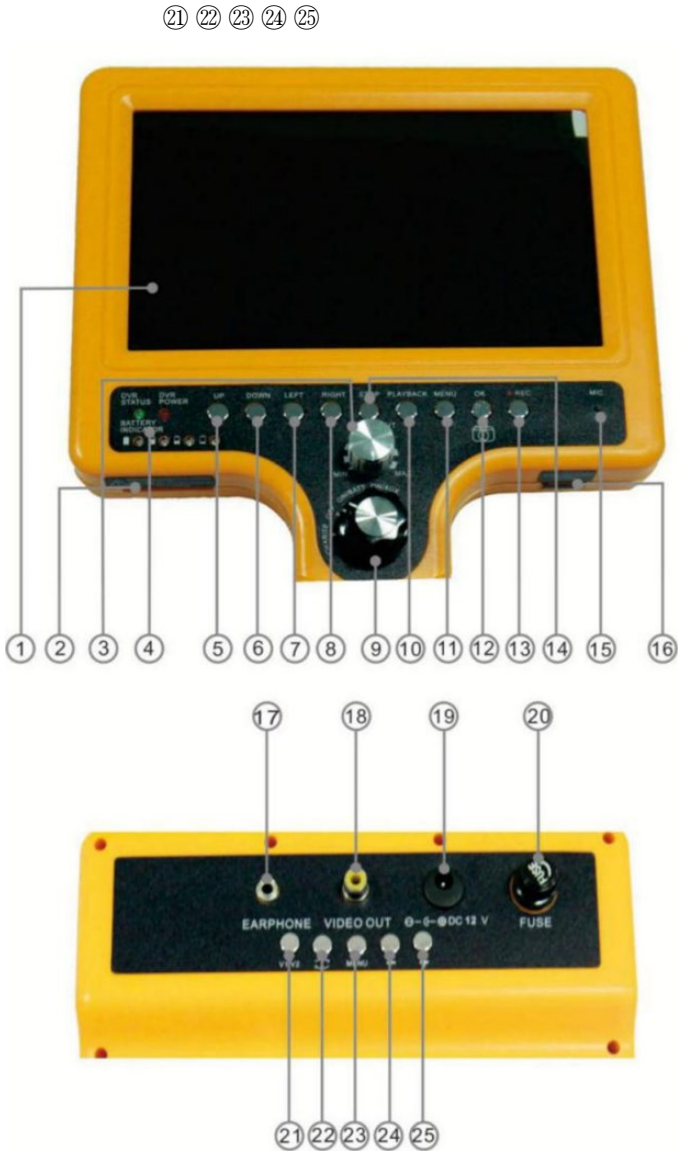
3. Specifications

• Camera Head Diameter	6mm to 28mm (6mm not interchangeable)
• Viewing Angle	60°
• Depth of Field	20 ~ 70 mm
• Resolution	PAL 720 x 576, NTSC 720 x 480
• Recording	Photo/Video
• Light Resource	6 LED White Lights Adjustable (6mm fixed)
• Display	7 Inch TFT LCD
• Digital Zoom	10 Levels
• Line Length	20M ~ 35M
• Lithium Battery	12V 4400mah
• Power	Rechargeable lithium battery (Direct plug-in)
• Working Time	More than 7 hours
• Protect Resistance	IP68 (Waterproof Level)
• Memory	Standard: 8G SD card, Maximum 256G
• Engineer Case	Waterproof
• Unit Size	430 x 330 x 175mm
• Instrument Case Size	520 x 435 x 200mm
• Gross Weight	13 KG

► Operating Environment

- The camera system operating temperature is between -10°C ~ 50°C (14°F ~ 122°F). It is normal for the operating time to be shortened when the temperature is low.
- The capacity of your inspection system battery will reduce each time it is charged/emptied.
- Storage at too high or low temperatures will also result in a gradual capacity loss. As a result, the operating time of your inspection system may be considerably reduced.

4. Control Box



①	7" Screen
②	SD Card Slot (Max 256G)
③	LED Brightness Adjust
④	Battery Level Indicator
⑤	Menu Up
⑥	Menu Down
⑦	Menu Left
⑧	Menu Right
⑨	Power Control
⑩	Quick Playback
⑪	Menu
⑫	Menu OK (photo snap)
⑬	Record/Stop Recording
⑭	Playback Stop/Menu Back
⑮	Mic. Phone
⑯	USB Keyboard Jack (optional function)
⑰	Earphone Jack
⑱	Video Output
⑲	Charge Adaptor
⑳	Fuse Jack

⑳	Video 1 / Video 2
㉑	Image Up & Down & Left & Right
㉒	Menu (include bright, contrast, color, language, 16:9 & 4:3 ratio, sleep)
㉓	Sub Menu Down
㉔	Sub Menu Up

5. Quick Start Guide

1. Charging the Battery

- Connect the charger to the socket, the indicator of charger will turn GREEN.
- Connect the plug jack to the control box.
- Turn the switch knob to “CHARGE” position.
- The indicator of charger will turn RED. When the Li-ion battery is fully charged, the charger indicator will turn GREEN.

2. Inserting SD Card

Insert the SD card into the slot, then press it lightly. Press it lightly and pull out the SD card

Warning: Pay attention to the direction of the SD card. If inserted incorrectly could cause damage to SD card and / or equipment

3. AV1 & AV2 Switch

- Press the “AV1/AV2” key on screen to switch the AV1 and AV2 mode.
- AV1 mode captures image and records video
- AV2 mode can only monitor—no capture

4. Recording Video

- Press the “REC” button to start video recording
- Press the “REC” button again to stop the recording
- Press the "MENU" button to open

5. Recording Photo

Press the “OK” button to snap image

6. Playback Video

- Press the “PLAYBACK” button
- Press the “OK” button to enter the “Video Files”
- Select the file you need
- Monitor will play the video
- Press the “OK” button to pause the video

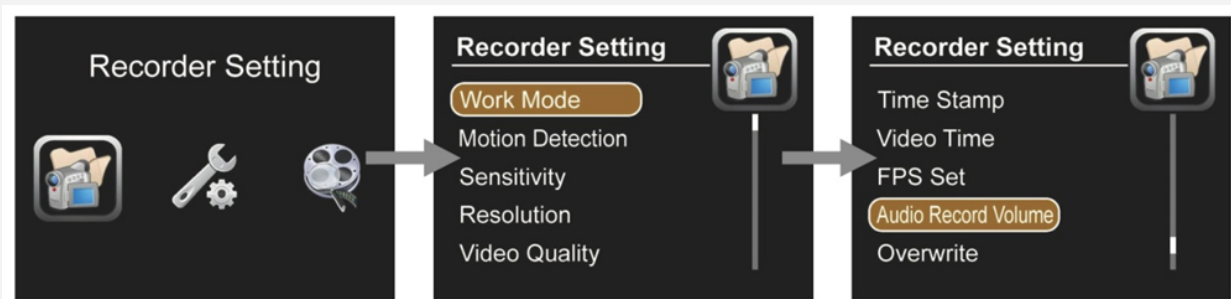
7. Playback Photo

Follow the same steps that the “Playback Video” mentioned above (except enter photo files).

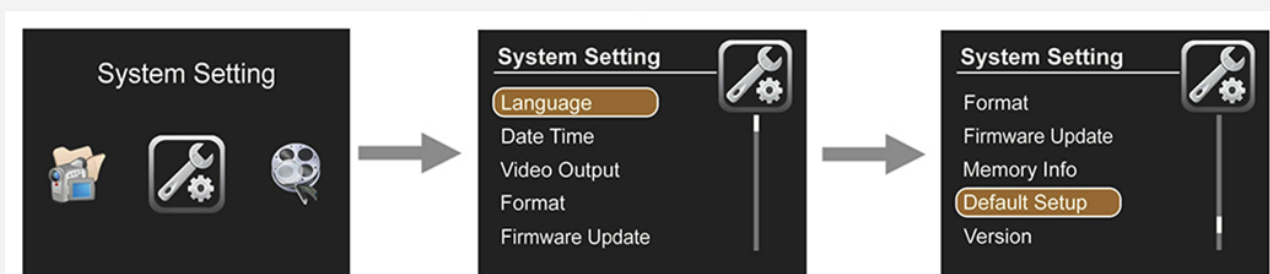
8. Menu

Press “MENU” key to access the main menu.

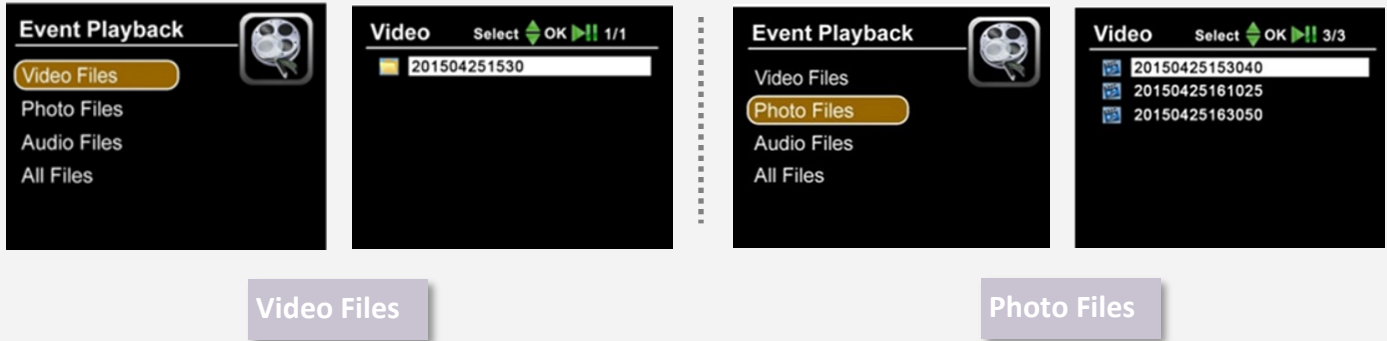
9. Record Setting



10. System Setting

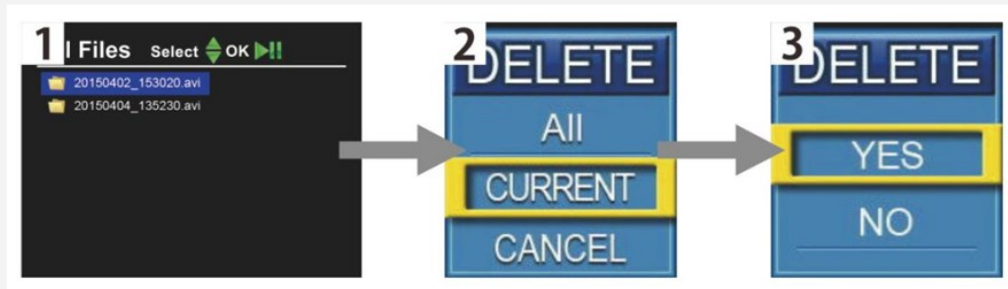


11. Event Playback



12. Delete Files

PLEASE NOTE: Files deleted will be permanently deleted and not found.



6. Accessories Available

Item	Image	Description	Optional
Camera Head & Skids		<ul style="list-style-type: none"> • 6mm Camera Head • ø12mm skid 	
		<ul style="list-style-type: none"> • ø23mmX120mm Camera Head • ø40mm skid & ø80mm skid 	
		<ul style="list-style-type: none"> • ø17mmX142mm Camera Head • ø24mm skid 	
		<ul style="list-style-type: none"> • ø23mmX240mm Camera Head • ø40mm skid & ø80mm skid 	
		<ul style="list-style-type: none"> • ø23mmX147mm Camera Head • ø40mm skid & ø80mm skid 	
		<ul style="list-style-type: none"> • ø23mmX125mm Camera Head • 512Hz transmitter inside • ø40mm skid & ø80mm skid 	
		<ul style="list-style-type: none"> • ø23mmX244mm Camera Head • 512Hz transmitter inside • ø40mm skid & ø80mm skid 	
		<ul style="list-style-type: none"> • ø23mmX140mm Camera Head • ø40mm skid & ø80mm skid 	

OPERATION MANUAL

Item	Image	Description	Optional
Camera Head & Skids		<ul style="list-style-type: none"> • \varnothing28mmX156mm Camera Head • \varnothing40mm skid & \varnothing90mm skid • (self-level) 	
		<ul style="list-style-type: none"> • \varnothing28mmX260mm Camera Head • \varnothing40mm skid & \varnothing90mm skid • (self-level) 	
		<ul style="list-style-type: none"> • \varnothing28mmX260mm (L)Camera Head • 512Hz transmitter inside • \varnothing40mm skid & \varnothing90mm skid • (self-level) 	
		<ul style="list-style-type: none"> • \varnothing12X115mm Camera Head • \varnothing18mm skid 	
		<ul style="list-style-type: none"> • \varnothing12X115mm Camera Head • \varnothing18mm skid 	
		<ul style="list-style-type: none"> • Monitoring 	
		<ul style="list-style-type: none"> • Monitoring & Video recording • Storage medium: 8G SD card & SD card • (max 256G) 	
		<ul style="list-style-type: none"> • Hard Keyboard • Size: 220(L)X118(W)X19.2(H)mm 	