VS8100 VS8101 VS8102 TABLET VIDEO BORESCOPES WITH 5.5 MM, 8 MM, AND 9 MM DUAL-LENS 360° CAMERA OPTIONS.

MODEL NOs: **VS8100 VS8101 VS8102**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions

1. SAFETY

1.1. GENERAL SAFETY

✓ Always perform automotive testing in a safe environment.
✓ Keep your work area clean and well lit.
✓ Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
✓ Operate the tool in a well-ventilated work area.
× **DO NOT** operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or heavy dust.
× **DO NOT** use the tool around corrosive chemicals which can damage the tool.
× **DO NOT** abuse the flexible cable. Never use the flexible cable to carry the tool.
× **DO NOT** drop the borescope, it is not shock proof.
✓ Keep bystanders and children away while operating the tool.
✓ Keep the tool dry, clean, free from oil, water and grease.
❑ **WARNING!** The handheld display unit is **NOT** waterproof.
✓ Handle the borescope with care. If it is dropped, check for breakage and any other conditions which may affect its operation.
× **DO NOT** immerse the imager head and cable into corrosive substances, petroleum or oil.
× **DO NOT** use near moving machinery.
× **DO NOT** use excessive force to insert or withdraw the imager head or cable.
× **DO NOT** use the tool while tired or under the influence of drugs, alcohol, or intoxicating medication.
× **DO NOT** over-reach. Maintain proper footing and balance at all times.
× **DO NOT** use the tool for personal or medical use in any way.

1.2. CHARGING SAFETY

✓ Use only the supplied charging cable.
✓ Allow clearance all around the device to allow cooling.
✓ Disconnect the charging cable from the electrical supply when not in use.
× **DO NOT** charge in an explosive atmosphere or in the presence of flammable material.
× **DO NOT** leave camera unattended whilst recharging.
× **DO NOT** exceed the maximum charging time.
✓ The warnings, precautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

2. INTRODUCTION

VS8100

The large 110mm LCD screen delivers up to 1080p full HD resolution for video, playback, and still images. Compact and lightweight format ensures easy handling and clear image visibility. 70° Horizontal field of view provides wider inspection coverage. Features digital zoom, image rotation and light intensity settings for precision viewing. IP67-Rated camera pod ensures reliable use in wet or dusty environments. 2600mAh Rechargeable battery offers up to 4 hours of continuous operation (USB Charging cable supplied). 5.5mm Lens allows access into confined or narrow spaces. Supplied with a 45° mirror, hook and magnetic pick-up for added functionality. 2m Cable length provides flexibility for deeper inspections.

VS8101

The large 110mm LCD screen delivers up to 1080p full HD resolution for video, playback, and still images. Compact and lightweight format ensures easy handling and clear image visibility. 70° Horizontal field of view provides wider inspection coverage. Features digital zoom, image rotation and light intensity settings for precision viewing. IP67-Rated camera pod ensures reliable use in wet or dusty environments. 2600mAh Rechargeable battery offers up to 4 hours of continuous operation (USB Charging cable supplied). 8mm Lens allows access into confined or narrow spaces. Supplied with a 45° mirror, hook and magnetic pick-up for added functionality. 5m Cable length provides flexibility for deeper inspections.

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VS8102

The 9mm dual lens camera allows the side view camera to rotate 360° in confined or narrow spaces. The large 110mm LCD screen delivers up to 1080p full HD resolution for video, playback, and still images. Compact and lightweight format ensures easy handling and clear image visibility. 70° Horizontal field of view provides wider inspection coverage. Features digital zoom, image rotation and light intensity settings for precision viewing. IP67-Rated camera pod ensures reliable use in wet or dusty environments. 2600mAh Rechargeable battery offers up to 4 hours of continuous operation (USB Charging cable supplied). Supplied with a 45° mirror, hook and magnetic pick-up for added functionality. 2m Cable length provides flexibility for deeper inspections. Micro SD card enables image and data capture for review and reporting (not Included). Supplied in a storage case.

3. SPECIFICATIONS

Model No:	VS8100	VS8101	VS8102
Camera resolution:	1920 * 1080P	1920 * 1080P	1920 * 1080P
Camera:	Ø5.5mm	Ø8mm	Ø9mm
Cable length:	2m (Hard cable)	5m (Hard cable)	2m (Hard cable)
Display:	4.3 IPS colour LCD display	4.3 IPS colour LCD display	4.3 IPS colour LCD display
Front camera focus:	5cm-500cm	5cm-500cm	Camera resolution 1920*1080 with 360 ° rotation
Flank (side) camera focus:	3cm-500cm	3cm-500cm	
Front / Flank (side) camera resolution:	1920*1080	1920*1080	
Horizontal viewing angle:	70 °	70 °	70 °
Light:	8+1 LED lights adjustable	8+1 LED lights adjustable	8+1 LED lights adjustable
Optional Probes:	No	No	No
Pod Length:	45mm	30mm	80mm
Power Source / Battery capacity:	5V - 2600mAh lithium battery DC500mA/1A	5V - 2600mAh lithium battery DC500mA/1A	5V - 2600mAh lithium battery DC500mA/1A
Record Function (Video + Still):	No	No	YES
Screen Resolution:	1920 x 1080 Pixels	1920 x 1080 Pixels	1920 x 1080 Pixels
Screen Size:	110mm	110mm	110mm
USB Connection:	USBC	USBC	USBC
Waterproof level:	IP67	IP67	IP67
Nett Weight:	0.270kg	0.295kg	0.340kg
Working temperature:	0°- 45°C	0°- 45°C	0°- 45°C
Working time:	4 hours	4 hours	4 hours

VS8100



VS8101

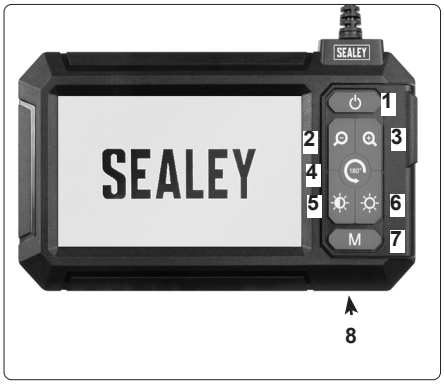


VS8102



4. FEATURES

VS8100 **VS8101**



1	Power on / off key
2	Zoom out
3	Zoom in
4	Rotate
5	Light down
6	Light up
7	Single lens: Switch between black and white and colour Dual lens: Switch between front ans side cameras
8	Charging port

fig.1

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VS8102

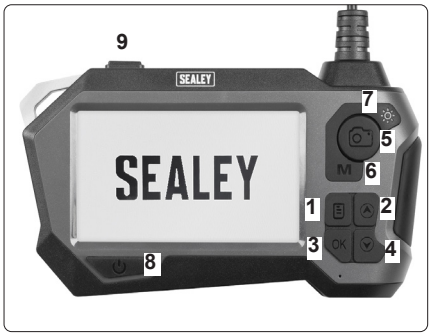

fig.2

1	Menu / Back
2	Rotate Up / Left
3	Confirm " ok"
4	Rotate down / right
5	Take pictures / videos
6	Mode switching between single lens and dual lens
7	Lights adjustment
8	Power on / off
9	Axillary light switch

5. OPERATION

VS8100 VS8101 (ref to fig.1)

1. **Power Button:** Press and hold for approximately 3 seconds to switch the unit ON or OFF.
2. **Zoom Out Button:** Short-press to decrease the zoom level.
3. **Zoom In Button:** Short-press to increase the zoom level.
4. **Rotate Button:** Short-press to rotate the displayed image.
5. **Light Down Button:** Short-press to reduce the illumination intensity.
6. **Light Up Button:** Short-press to increase the illumination intensity.
7. **M-Key:** For single-lens models, short-press to toggle between colour and monochrome display modes. This control also enables switching between the front and side camera views.
8. **Charging Port:** Connection interface for a regulated 5 V power supply.

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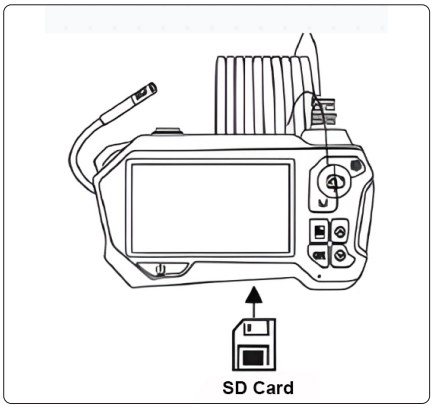
5.1. A short press of the Menu button opens the main settings screen. From there, you can access options such as Photo/Video mode, Resolution, Language, Brightness, Screen Rotation, Date Stamp, Time Settings, Format, System Reset, Storage Information, and Version Details. Press the Menu button again to move through the available options within the menu.

1. **Up Button: When you're in the menu:** A quick press moves the selection upward. **When you're viewing an image:** A quick press zooms in. Pressing it repeatedly will continue zooming in or start zooming out, depending on the zoom direction.
2. **OK button:** Press briefly to confirm.
3. **Down Button Function: Menu mode:** A short press moves the cursor or highlight downward. **Image display mode:** A short press rotates the displayed image by 180 degrees.
4. **Photo button:** Perform a momentary press to execute a still-image capture. Apply a sustained press to start video recording. Use an additional momentary press to stop the recording sequence
5. **Mode Switching Button:** The device powers on in dual-camera mode by default. Press the button once to switch to front-lens mode. Press the button again to switch to side-lens mode.
6. **MICRO SD card**
7. **MICRO SD card Support Specification**

8. The device is compatible with microSD cards up to 128 GB in capacity.
Only micro SD media rated Class 10 or higher is supported.
The file system supported for external storage is FAT32.
If a micro SD card is detected with a file system other than FAT32,
the device will automatically reformat the card to FAT32 during initialisation.



5.2. BASIC SD CARD OPERATION

5.2.1. Insert the micro SD card into the slot as shown.
5.2.2. Press gently until the card clicks into place and locks.
NOTE: A Class 10 micro SD card is required for recording and storing photos and videos.
5.2.3. After the product is powered on, you can view the real-time image in dual-lens mode.
5.2.4. Short press the button to take a photo.
5.2.5. Long press to start video recording, and press again to stop.

6. MAINTENANCE

✓ Keep the device in a dry location and out of the reach of children. This helps prevent device damage and possible personal injuries.

6.1. SERVICE AND REPAIR

6.1.1. For service and repair contact Sealey Service Centre.

6.2. DISMANTLING THE PRODUCT WHEN OUT OF SERVICE

× **DO NOT** attempt to dismantle contact Sealey Service Centre.

6.3. **PREVENTATIVE MAINTENANCE MEASURES**

× **DO NOT** use abrasive or solvent cleaners. Use a mild detergent on a soft cloth, taking care not to put excessive pressure on the display screen.

6.4. REPAIR OF THE MACHINE

6.4.1. For repair contact Sealey Service Centre.

6.5. STORAGE OF THE PRODUCT

6.5.1. Store in a dry clean place out of the reach of children.

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7. END OF LIFE

7.5.1. Through years of normal wear, the video borescope will eventually become unserviceable. When this happens ensure that it is disposed of in accordance with local authority regulations.

7.1. BATTERY DISPOSAL

7.1.1. Exposure to high temperatures can cause the batteries to explode; **DO NOT** dispose of in a fire. Some countries have regulations concerning battery disposal. Follow all applicable regulations. Return used batteries to a collection location for recycling.

8. TROUBLESHOOTING

FAULT	REMEDY
The product does not show images or has black screen	Charging or restarting may resolve the issue.
Image frozen	Verify that the device has adequate power. If not, charge it; otherwise, try restarting.
Imaging image not clear	Calibrate the distance from the object you are looking at, or clean the front of the camera with a clean alcohol wipe.
Charging the product	Use (5V-1A/5V-2A) charger to charge the device..
Camera heating up	Camera's heating is normal, especially when the LED light on the camera is at it's maximum brightness. This does not affect normal use or service life.



BATTERY REMOVAL - UNSCREW SCREWS FROM CASING, REMOVE BATTERY FROM DEVICE.
Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705.



ENVIRONMENT PROTECTION
Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS
Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.
Important: No Liability is accepted for incorrect use of this product.
Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

REGISTER YOUR PURCHASE HERE

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