

elvid

SKYVISION

WCM-758DVR

WIRELESS 7" DVR MONITOR

**USER
MANUAL**





INTRODUCTION

Thank you for choosing Elvid.

The Elvid WCM-758DVR SkyVision is a monitor designed to wirelessly receive video and audio from your 5.8 GHz composite video transmitter. Equipped with an integrated DVR, this monitor can record incoming content to a microSD card (not included). The DVR incorporates practical functions such as loop recording for maintaining a specific file length, and motion detection to initiate recording when a moving object is detected.

The 7" LED panel's native resolution is 1024 × 600, with an aspect ratio of 16:9 (native) that you can set to 4:3. The onscreen menu makes it easy to fine-tune your image, offering adjustments for brightness, contrast, hue, and saturation. Broadcast-specific features include safety frame markers and multiple display formats. The SkyVision can also be used for wired monitoring via its HDMI and composite video inputs, as well as composite video loop-through via its video output.

The SkyVision incorporates advanced tools like Check Field to calibrate the monitor, a Focus setting to fine-tune your focus, and Camera mode to scale the incoming video signal when shooting on a DSLR. There's also an integrated speaker and a 3.5 mm stereo headphone output for live audio monitoring.

PRECAUTIONS

- Please read and follow these instructions and keep this manual in a safe place.
- Exposure to high sound levels can cause permanent hearing loss. Avoid listening at high volumes for extended periods of time.
- Keep this product away from water and any flammable gases or liquids.
- Make sure this product is powered off when plugging it into a power source.
- Use only the correct, recommended voltage.
- Do not attempt to disassemble or repair this product.
- Do not place or store the SkyVision facedown, since this can damage the screen.
- Handle this product with care. Avoid any unnecessary impacts to this product.
- Do not block the vents in this product.
- Disconnect this product from its power source before storage and during electrical storms.
- Do not use chemical solutions to clean this product. Clean it with only a soft, dry cloth.
- Keep this product away from children.
- Make sure that this product is intact and that there are no missing parts.
- To avoid damage to this product, be careful not to overtighten or improperly thread any of the threaded fittings.
- All photos are for illustrative purposes only.

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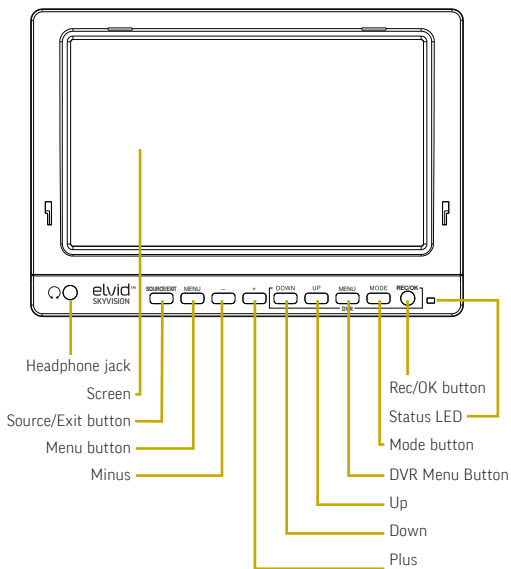
PRODUCT CONTENTS

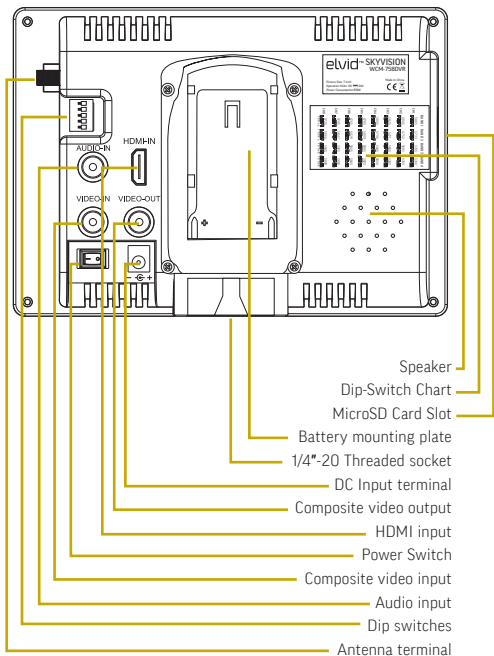
- 7" Wireless DVR Monitor
- Antenna
- Sunshade
- Mini HDMI to HDMI cable
- Dip Switch Quick Reference Card
- User manual



NOTE: Additional battery plates and/or battery adapters compatible with other popular brands can be purchased by visiting www.elvidcinema.com

OVERVIEW





POWERING OPTIONS

There are two ways to power the SkyVision: AC or a Sony L-series battery.

AC POWER

To run the SkyVision via AC power, use the Elvid 12 V DC adapter to connect the SkyVision's DC power input to your AC power source.

To turn on the SkyVision, press the power switch to the On position. The SkyVision will turn on and enter standby mode, and the power indicator LED will glow red. Press the Power button to enter ready mode. The power indicator LED will turn green and then glow red.

CAMERA BATTERY

The SkyVision's built-in battery plate accommodates Sony L-series batteries. This allows you to power the monitor with readily-available batteries that you may already own. For more information on compatible battery types, refer to Specifications on page 28 .

To install a compatible battery, slide the battery forward until it locks into place.

To turn on the SkyVision, press the power switch to the On position. The SkyVision will turn on and enter standby mode, and the power indicator LED will glow red. Press the Power button to enter ready mode. The power indicator LED will turn green and then glow red.



USING THE WCM758-DVR

MOUNTING THE SKYVISION

Use the SkyVision's 1/4"-20 threaded socket to attach the monitor to your mounting system. Make sure your bracket can support the monitor.

SETTING THE SIGNAL

Before setting the signal, screw the antenna into the antenna terminal.

Use the DIP switches on the SkyVision to set the proper channel. Make sure the SkyVision and your 5.8 GHz composite video transmitter are set to the same channel. Refer to the DIP Switch Chart on page 33 for further reference. For your convenience, there is an included DIP Switch Chart quick reference card.

Press the Mode button to cycle through the input modes until RF appears on the monitor. If your 5.8 GHz composite video transmitter is using the same frequency as the monitor, the image will appear onscreen, and the power indicator LED will glow green.

WIRED INPUT & LOOP-THROUGH

HDMI INPUT

The SkyVision is equipped with HDMI input for use as a wired high-definition video monitor. Use the included HDMI cable to connect your HDMI video source to the SkyVision's HDMI input, and then press the Mode button to cycle through the input modes until HDMI appears on the monitor. If your HDMI video source is sending a signal to the monitor, the image will appear onscreen, and the power indicator LED will glow green.

COMPOSITE VIDEO INPUT

The SkyVision also has a composite video input for use as a wired standard-definition video monitor. Use a composite video input cable to connect your composite video source to the SkyVision's composite video and audio inputs, and then press the Mode button to cycle through the input modes until "video" appears on the monitor. If your composite video source is sending a signal to the monitor, the image will appear onscreen, and the power indicator LED will glow green.

Note: When using the composite video input, your composite audio cable must be plugged into the SkyVision's composite audio input in order to monitor the sound.

Loop-Through: The SkyVision offers composite video loop-through, also known as pass-through. To loop the video signal through the monitor, make sure the SkyVision is receiving a video signal from your composite video source, and then connect a compatible composite video output cable to the output connection on the monitor.

Note: Loop-through is not supported via an HDMI or RF signal.

MONITORING SOUND

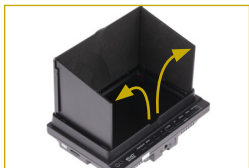
You can monitor sound via the integrated speaker or the 3.5 mm stereo headphone jack. To monitor via the headphone jack, plug in a pair of compatible headphones. For more information on volume control, refer to Volume under the Sound Menu section on page 20 and Right Button under the Using the DVR section on page 21 .

THE SUNSHADE

The sunshade prevents glare on the monitor's screen by blocking out stray light. It is especially useful when shooting outdoors.

1. Insert the sunshade's pegs into the monitor's sunshade slots.
2. Slide the sunshade down until it locks into place.

To deploy the sunshade, fully open its lid and wings.



THE MENU

To get the most out of the SkyVision, make sure the monitor's settings are properly configured. All of the setting configurations are located in the main menu, which has four submenus: Color, Onscreen Display (OSD), Function, and Sound. The submenus are located in the left column of the main menu window.

Note: The menu is accessible only when the SkyVision is receiving a video signal.

The Video menu has its own set of buttons that function separately from the DVR buttons.

Source/Exit Button: When the menu is open, use the Source/Exit button to exit the current menu, submenu, or menu item.

Menu Button: Press the Menu button to access the menu or make a selection within the menu.

Minus and Plus Buttons: When the menu is open, use the Minus and Plus buttons to navigate the menu or adjust the value of a menu item. When the menu is closed out, you can use these buttons to adjust the monitoring volume of the SkyVision.

COLOR MENU

In the Color menu, you can adjust brightness, contrast, hue, and saturation of the monitor from 0 (least) to 100 (most).

Check Field: Check Field mode is useful for calibrating the monitor. When this mode is enabled, only the selected color will appear onscreen. You can select red, green, blue, or mono. In mono, a grayscale image will appear onscreen.

Color Temp: When using the SkyVision as a wired HDMI monitor, you can select from the presets 9300, 7500, and 6500 K. You can also configure your own custom setting, which is labeled User in the Color Temp menu. Customizing the color temperature is recommended only for advanced users.

Note: this setting is not available when using the RF or composite video inputs.

OSD MENU

Language: You can set the onscreen language to English (default), simplified Chinese, French, Italian, German, Spanish, Japanese, Korean, Russian, and Portuguese.

H Position: Adjust the horizontal position of the onscreen menu.

V Position: Adjust the vertical position of the onscreen menu.

OSD Timeout: Use this setting to set the length of time the onscreen menu is displayed. You can choose from 5 to 60 seconds, in 5-second intervals, or you can disable the feature by setting it to off so the menu remains onscreen until you manually close it out. The default setting is 10 seconds.

Transparent: Set the menu's level of opacity. You can adjust this setting from 1 to 7, with 7 being the most transparent. The default setting is off, which makes the menu opaque.

FUNCTION MENU

Reset: Restore the SkyVision's menu to the factory default settings.

System: Select the transmission display format. You can choose NTSC M (default), PAL M, NTSC BG, PAL N, NTSC DK, PAL DK, PAL I, or SECAM BG.

Display Ratio: You can set the aspect ratio for the onscreen image. The options are 16:9 and 4:3. The default setting is 16:9, which is the SkyVision's native aspect ratio. The 4:3 setting will scale the image to fit that aspect ratio. The screen will momentarily go dark when you switch ratios.

Screen Markers: You can set the SkyVision to display an onscreen box as a safety frame marker at a set percentage of the screen size. You can set this to 80%, 85%, 90%, 93%, 96%, or off. The screen marker will not display at the same time as the menu.

Center Markers: This setting displays a marker in the center of the screen. The center marker will not display at the same time as the menu.

Camera: Camera mode scales the incoming video signal to fill the screen. This is useful when shooting on a DSLR. You can turn this mode on or off.

SOUND MENU

Volume: Adjust the monitoring volume of the SkyVision from 0 to 100.

Focus: Use this setting to check the areas of the image that are in focus. Activating this setting increases the sharpness and contrast of the monitor and exaggerates in-focus areas.

USING THE DVR

The DVR can record your incoming wireless video to a microSD card. Before getting started, make sure the DVR settings are properly configured. The settings are located in the three DVR menus: Video, Setup, and Playback.

The DVR system has its own set of buttons that function separately from the Video buttons. Before you can use the DVR menu, make sure to use the Source/Exit button to switch to the DVR source. Just because you're looking at the picture from the RF signal doesn't mean you've already switched to the DVR.

Up and Down Buttons: Use these buttons to navigate the menu and the prompts.

Menu Button: Use this button to the Video or Playback menu, switch from the Video or Playback menu to the Setup menu, or close out the menu from the Setup menu or a submenu.

Mode Button: Use this button to alternate between recording and playback modes.

Rec/OK Button: Press this button to make a selection.

VIDEO MENU

To access the Video menu, press the Menu button when the DVR is in recording mode.

Resolution: Select the video resolution. You can choose D1 (720 × 576), VGA (640 × 480), or QVGA (320 × 240). Higher resolution will produce a sharper image, however the file size will increase as the resolution increases. The default mode is D1.

Loop Recording: Loop recording will maintain a series of 3-, 5-, or 10-minute files. When video recording reaches the end of the designated time limit, the DVR will start another file of the same duration. This mode is ideal for surveillance applications and is especially useful if you've set the Date Stamp.

Motion Detection: This mode will cause the DVR to automatically start recording when a moving object is detected. After about 10 seconds of no motion, recording will stop.

Date Stamp: This setting superimposes a date stamp on the video and is useful for security or legal applications because it cannot be altered or hidden after recording. See page 24 on how to set the date and time.

Recording Audio: Choose to record audio along with video.

Image Quality: The higher the image quality, the sharper and more detailed the image but the larger the file size. You can choose Super Fine, Fine, and Normal. The setting is separate from resolution.

Motion Detection Sensitivity: Adjust the sensitivity of the motion detection setting. You can choose high, medium, or low.

SETUP MENU

Format: This formats the microSD card inserted in the SkyVision, and will erase all data on the card. To optimize the file system, it is recommended to format the microSD card in the monitor before use.

Date/Time: Set the SkyVision's internal clock. Use the Up and Down buttons to make adjustments, and the Rec/OK button to advance to the next field.

Language: Set the onscreen language. You can choose English (default), German, French, Spanish, Italian, Portuguese, traditional Chinese, simplified Chinese, or Japanese.

TV Mode: Set the display format of the monitor. You can choose NTSC or PAL.

Note: If the image is not synchronized or you are unable to access the DVR menu after you set the TV output format, this is likely because the DVR output format is not synchronized with the monitor format. If this occurs, set the format via the monitor menu (not the DVR menu). For more information, refer to System under Function Menu on page 19.

Default Setting: Restore the SkyVision to the factory default settings. This will erase all current settings and replace them with the default settings.

RECORDING & PLAYBACK

To start recording with the DVR, follow these steps:

Before recording, make sure all monitor and DVR settings are properly configured.

1. In DVR recording mode, insert a microSD card into the card slot. When the DVR recognizes the card, it will display "To SD" onscreen, and a memory card icon will appear in the bottom right corner of the screen.
2. Set the SkyVision to RF mode and make sure it's receiving a signal from your wireless video source. For more information, refer to Setting the Signal on page 11.
3. Press the Rec/OK button to start recording video. During recording, a dot in the upper left corner of the screen will blink red and the status LED on the bottom right corner of the unit will display a solid green while blinking blue.

To stop recording, press the Rec/OK button.

PLAYBACK MENU

To access the Playback menu, press the Mode button to switch to playback mode, and then press the Menu button.

Delete: Use the Down or Up button to highlight "Delete Current" (a single file) or "Delete All" (every file) on the inserted microSD card. Press the Rec/OK button and confirm by highlighting OK on the screen.

Protect: This function protects a file from accidental deletion. You can lock or unlock the current file or all files on the inserted microSD card.

To play back video from the DVR, follow these steps:

1. Switch the SkyVision to DVR playback mode.
2. Use the Up and Down buttons to cycle through the video and photo files on the inserted microSD card. Videos are indicated by a film icon in the top right corner of the screen, and photos are indicated by a camera icon.
3. To play or pause a video file, press Rec/OK.

To fast-forward or rewind, press the Down or Up buttons. You can increase playback speed in either direction up to 2x, 4x, or 8x by pressing Down or Up a second, third, or fourth time. In reverse (using the Up button), -2x, -4x, or -8x is indicated on screen. To resume normal playback, press Rec/OK.

MONITOR	
Panel Size	7"
Panel Type	TFT
Backlight	LED
Resolution	1024 × 600
Brightness	250 cd/m ²
Contrast ratio	700:1
Viewing angle	L/R: 75°/75° U/D: 70°/75°
Dot pitch (W × H)	0.05 × 0.15 mm
Display ratio	16:9
Input	RF, HDMI, composite video, mono audio
Output	Composite video, headphone (3.5 mm stereo), mono speaker

MONITOR	(CONTINUED)
Supported formats (50/60 Hz)	480i, 480p, 576i, 576p, 720p, 1080i
Threaded socket	1/4"-20
Input voltage	6 to 24 V DC
Power consumption	≤8 W
Battery type	Sony L-series
RF receiving frequency	5.8 GHz broadband FM A/V synchronization, 32 channels
RF wireless receiving sensitivity	-90 dBm typical value
Frequency stability	±100 ppm
Dimensions (L × W × H)	7.4" × 5.3" × 2.0" (18.9 × 13.4 × 5 cm)
Weight	1 lb. (0.5 kg)
MicroSD card capacity	Max. 32gb

































PROBLEM	SOLUTION
<p>The SkyVision will not turn on.</p>	<ul style="list-style-type: none"> • If you are powering the SkyVision with a battery, make sure the battery is fully charged and properly seated in the battery plate. • Make sure that the 12 V DC adapter is fully plugged in, and that your AC power source is reliable. Try switching AC power sources. • Make sure the SkyVision is not in standby mode. See Powering Options on page 9 for further reference.
<p>The SkyVision is in RF mode, but no wireless signal is detected.</p>	<ul style="list-style-type: none"> • Make sure your transmitter is working properly. • Make sure the SkyVision and your 5.8 GHz composite video transmitter are set to the same channel. See the DIP Switch Chart on page 33 for further reference. • If you replace the included antenna, you may experience a degraded signal or even no signal at all. Make sure the antenna matches the transmitter.

PROBLEM	SOLUTION
<p>The SkyVision is turned on but there is no onscreen image or the image is weak.</p>	<ul style="list-style-type: none"> • If you are using the SkyVision as a wired monitor, make sure the HDMI or composite video cable is securely plugged into the proper input connection on the SkyVision, and that the input mode is set correctly. Try pressing the Mode button to set the input mode. • Make sure the monitor is set to the proper input mode. • If you are powering the SkyVision with a battery, make sure the battery is fully charged and properly seated in the battery plate. • If you are powering the SkyVision via AC power, use only the Elvid 12 V DC adapter. • If you are using the SkyVision as a wired monitor, check your cables to make sure they are reliable.
<p>The screen displays only a black and white image.</p>	<ul style="list-style-type: none"> • Check the brightness, contrast, hue, and saturation settings, and adjust as necessary. • Make sure Check Field mode is turned off.

PROBLEM	SOLUTION
The images are not synchronized.	<ul style="list-style-type: none"> • NTSC and PAL settings may not be correctly set. Make sure the monitor's display format matches that of the input. Refer to System under the Function Menu section on page 19 for further reference. • The RF signal is too weak.
The onscreen image size is incorrect.	<ul style="list-style-type: none"> • Make sure that Camera mode is disabled. • Check whether the aspect ratio is set correctly. • Make sure that the correct input signal is selected. • If you are using the SkyVision as a wired monitor, check your cables to make sure they are properly connected and that they are reliable.
The SkyVision is emitting a high-pitched whine (feedback).	<ul style="list-style-type: none"> • Turn the monitor's volume all the way down or plug headphones into the headphone jack.
There is no sound.	<ul style="list-style-type: none"> • Increase the monitoring volume. • If you are using the SkyVision as a wired standard-definition video monitor, make sure your composite audio cable is fully plugged into the composite audio input.

DIP SWITCH CHART

↑  Switch position is indicated by the white box.

	BAND 1	BAND 2	BAND 3	BAND 4
CH1	5865 	5733 	5705 	5740 
	5845 	5752 	5685 	5760 
CH3	5825 	5771 	5665 	5780 
	5805 	5790 	5645 	5800 
CH5	5785 	5809 	5885 	5820 
	5765 	5828 	5905 	5840 
CH7	5745 	5847 	5925 	5860 
	5725 	5866 	5945 	5880 

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.



ONE-YEAR LIMITED WARRANTY

This Elvid product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Elvid Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Elvid along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.elvidcinema.com or call Customer Service at 212-594-2353.

Product warranty is provided by the Gradus Group. www.gradusgroup.com

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