

elvid®

FIELDVISION

OCM-7B-4KV2

7" 4K IPS Monitor

**USER
MANUAL**



The Elvid logo consists of the word "elvid" in a lowercase, sans-serif font, enclosed within a thin, rounded rectangular border.

THANK YOU FOR CHOOSING ELVID.

The Elvid FieldVision 4KV2 is a lightweight 7-inch on-camera monitor that's capable of displaying signals up to UHD 4K (3840 × 2160) and DCI 4K (4069 × 2160). The LCD panel's native resolution of 1920 × 1200 provides a sharp image and facilitates precise color rendering. It offers an aspect ratio of 16:10 (native) that you can set to your preferred size along with four zoom presets. In addition, pixel-to-pixel mode gives you the actual quality of 4K resolution in order to see the fine details of your image. The FieldVision 4KV2 also accepts composite video and two-channel audio with an A/V breakout cable (not included).

The on-screen menu makes it easy to adjust your image, and it offers adjustments for brightness, contrast, hue, sharpness, color temperature, and saturation. There are also broadcast-specific features like safety frame markers and multiple display formats.

The FieldVision 4KV2 is equipped with advanced tools like Check Field to help calibrate the monitor, a Focus Assist setting to fine-tune your focus, and Camera mode to scale the incoming video signal when shooting on a DSLR. Onboard programmable function buttons provide quick shortcuts to the tools you want at your fingertips. There's also an integrated speaker and a 3.5 mm stereo headphone output for live audio monitoring. A removable sunshade is included to minimize glare when shooting outdoors.

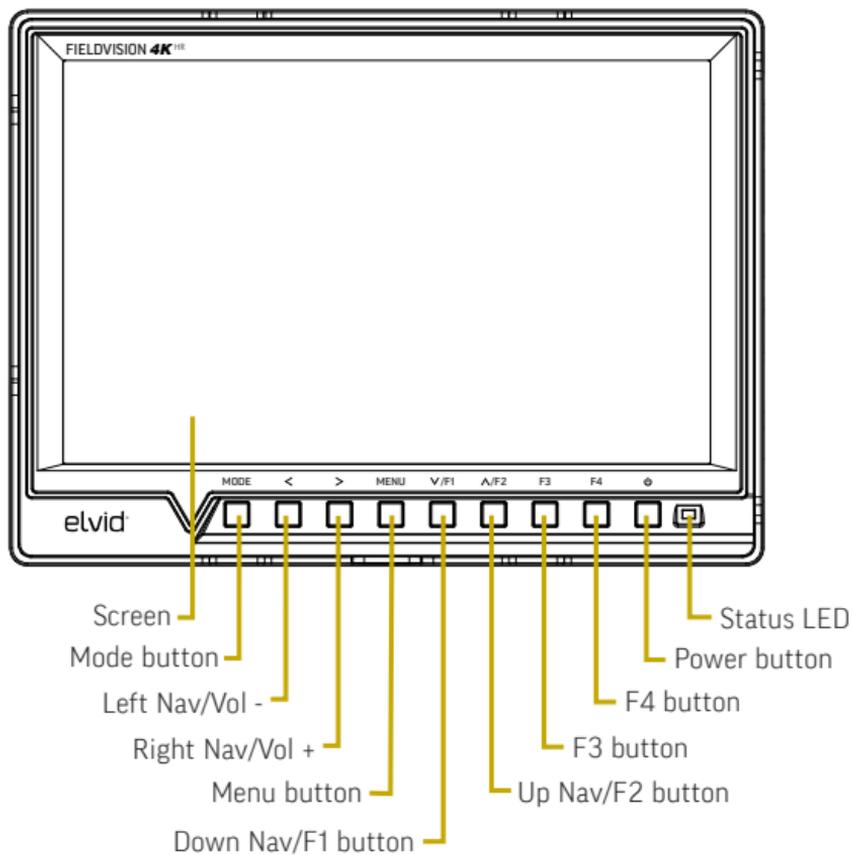
PRECAUTIONS

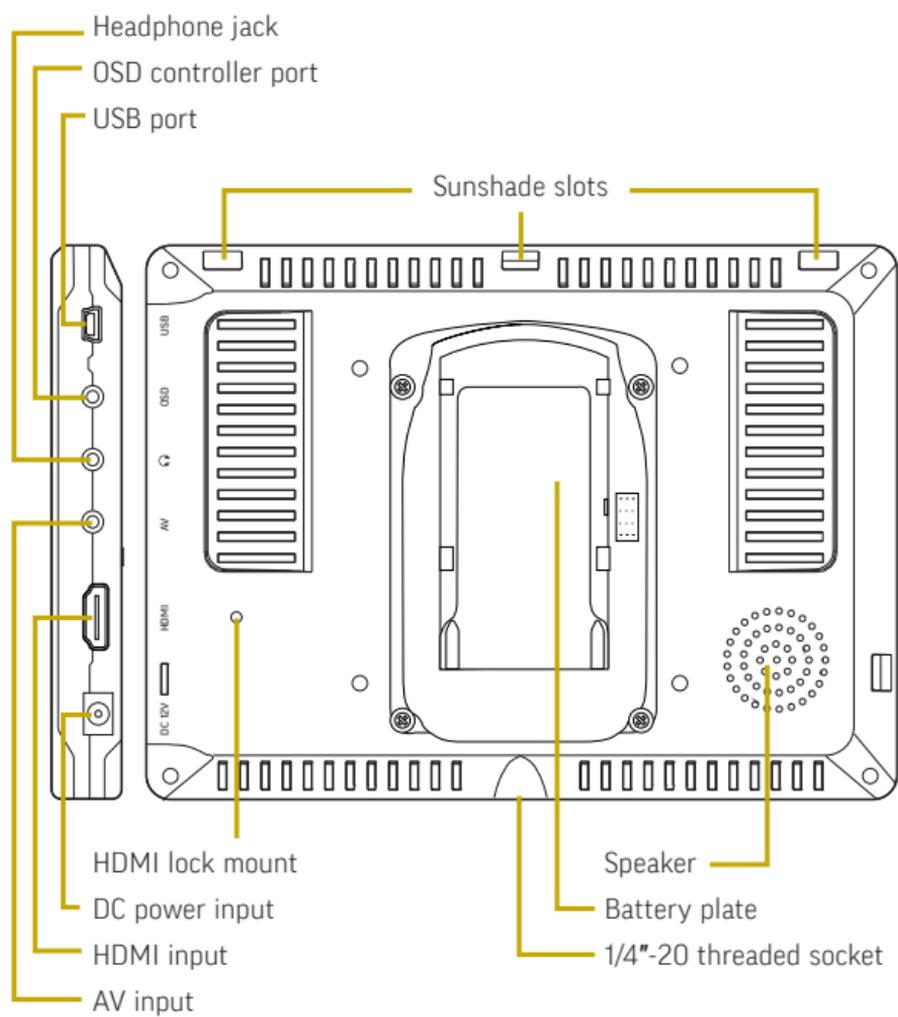
- Exposure to high sound levels can cause permanent hearing loss. Avoid listening at high volumes for extended periods of time.
- Keep this product away from water and any flammable gases or liquids.
- Do not expose this product to humidity or extreme heat or cold.
- Make sure this product is powered 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 FieldVision 4KV2 facedown, since this can damage the screen.
- Handle this product with care. Avoid any 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 images are for illustrative purposes only.

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OVERVIEW





PRODUCT CONTENTS

- 7 in. On-Camera Monitor
- Shoe-mount ball head
- Sunshade mounting frame
- Sunshade
- Mini HDMI to HDMI cable
- HDMI lock collar
- Sony L-Series battery mount



Note: For additional battery plates and adapters compatible with other popular brands, visit elvidcinema.com.

POWERING OPTIONS

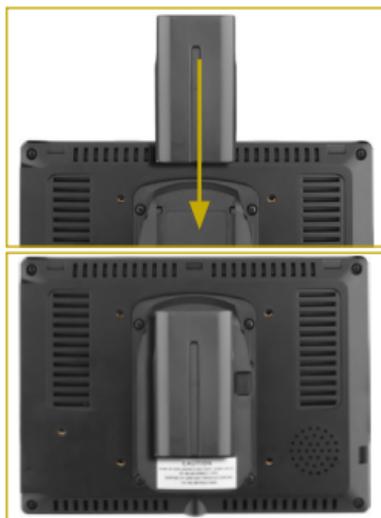
There are two ways to power the FieldVision 4KV2: AC power or battery (not included).

CAMERA BATTERY

The FieldVision's built-in battery mounting plate accommodates a Sony L-Series-type battery.

To install a compatible battery, follow these steps:

1. Place a compatible battery in the battery plate. Make sure the battery's bottom contacts are aligned with the contacts in the battery plate.
2. Slide the battery forward until it locks into place. The indicator LED will glow red when the power source is connected.



To turn on the FieldVision 4KV2, press the power button on the front panel of the monitor. The FieldVision 4KV2 will turn on and enter standby mode (yellow indicator LED).

A battery monitor appears at the top of the screen and displays the remaining battery charge.

Note: The power indicator glows red in standby mode while connected to a power source.

AC POWER

To run the FieldVision 4KV2 with AC power, use a 12 V DC adapter (not included) to connect the FieldVision 4KV2's DC power input to your AC power source.

To turn on the FieldVision 4KV2, press the power button. The FieldVision 4KV2 will turn on and enter ready mode, and the power indicator LED will turn green.

USING THE OCM-7B-4KV2

MOUNTING THE FIELDVISION 4KV2

Use the FieldVision 4KV2's 1/4"-20 threaded socket to attach the monitor to your mounting system or the included ball head. Make sure your bracket can support the monitor.

CONNECTING THE VIDEO SOURCE

HDMI Input: The FieldVision 4KV2 is equipped with an HDMI input for use as a wired high-definition video monitor.

1. Use a compatible HDMI cable (such as the included mini to full-size HDMI cable) to connect your HDMI video source to the FieldVision 4KV2's HDMI input.
2. 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 on-screen, and the power indicator LED will turn green.

Attention: Whether you are monitoring sound through the speaker, you can avoid audio feedback or sudden audio bursts by turning down the internal speaker volume. Press and hold the Left Nav button to lower the volume.

Composite Video Input: To use your FieldVision 4KV2 as a wired standard-definition video monitor, you'll need an A/V breakout cable (available separately).

1. Insert the 1/8" (3.5 mm) plug into the A/V input on the side of the monitor.
2. Connect your composite video source to the yellow RCA jack.
3. If desired, connect your audio source to the white (L) and red (R) audio jacks.
4. Press the Mode button to cycle through the input modes until AV appears on the monitor. If your composite video source is sending a signal to the monitor, the image will appear on-screen, and the power indicator LED will glow green.

If your video source is not connected, the screen will display a no-signal message.

Note: When using the composite video input, your audio source must be plugged into the FieldVision 4KV2's composite audio input in order to monitor the sound.

To turn the screen off, press the power button. The screen will go black, and the indicator LED will glow red to show that the power is on and the screen is in sleep mode.

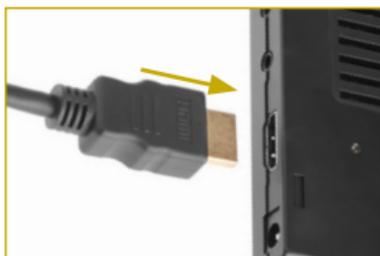
THE HDMI LOCK

An HDMI lock is included with the FieldVision 4KV2 to reduce stress on the HDMI plug and ensure that the plug isn't pulled out of the input while you're shooting.

To install the HDMI lock, follow these steps:

1. Insert the HDMI cable into the HDMI port on the monitor.

2. Place the HDMI lock over the cable so the opening on the end of the plate fits onto the cable and sits flush against the cable's strain relief.



3. Insert the HDMI locking screw into the HDMI locking socket, and tighten.



Note: Make sure the HDMI lock holds the cable firmly in the port. If the cable can wiggle in the HDMI lock, the connection between your source and the monitor could be interrupted.

THE SUNSHADE

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

To attach the sunshade to the monitor, follow these steps:

1. Match the pegs of the mounting frame with the slots on the back of the monitor.



2. Gently spread the ends of the mounting frame, and press them down onto the monitor until the tabs lock into the slots on the back of the monitor.

3. Unfold the sunshade and press the flat edge of the fabric side onto the touch-connect strip on the mounting frame.



To remove the sunshade, pull it off of the mounting frame. You can leave the frame attached for future use, or remove both it and sunshade.

FRONT PANEL BUTTONS

For greater efficiency while using the FieldVision 4KV2, you can use the buttons on the front of the monitor as shortcuts to various functions, instead of cycling through the on-screen menus.

Mode Button: Selects between HDMI and A/V input signals.

Left Navigation/Vol – Button: Lowers the volume of the monitor's speaker. Press for incremental volume change. Press and hold to slide the volume down to a minimum value of 0.

In menu mode, use this button to navigate to the previous menu.

Right Navigation/Vol + Button: Raises the volume of the monitor's speaker. Press for incremental volume change. Press and hold to slide the volume up to a maximum value of 100.

In menu mode, use this button to navigate to a submenu.

Menu Button: Press this to access the menu screen. When the cursor is on one of the main menu items, press the menu button to return to the live video feed. When accessing the submenus, press the menu button to return to the previous menu.

FUNCTION BUTTONS

The four function buttons (F1-4) have preset shortcuts assigned to them, but can be changed to accommodate your specific needs. See Function Button Shortcut Menu below for information on changing the function assignment for each button.

F1 Button: Preset to Check Field. In Check Field mode, only the one selected color will appear on-screen. Pressing repeatedly scrolls through the screen colors (red, green, blue, or mono).

F2 Button: Preset to Focus Assist. Pressing the button toggles between focus assist mode and your live video feed.

F3 Button: Preset to Histogram. Press to activate. Indicates the percentage of the image at a particular exposure level. Press again to return to live video feed.

F4 Button: Preset for False Colors. Press to replace the true colors of the image with standard colors that represent exposure levels along with an on-screen chart. Press again to return to the normal image.

THE MENU

To get the most out of the FieldVision 4KV2, 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, On-screen Display (OSD), Function, and Function Button Shortcut.

Menu Button: Pressing the menu button

- accesses the menu,
- returns to the previous menu or screen without making a selection, and
- closes the menu.

Up and Down Navigation Buttons: When the menu is open, the Up/Down buttons

- navigate the menu and
- adjust the value of a vertical submenu item.

Left and Right Navigation Buttons: When the menu is open, the Left/Right buttons

- enter a submenu,
- adjust the value of a horizontal submenu item, and
- make a selection in a vertical submenu.

COLOR MENU



The color menu offers three preset picture modes (standard, mild, and dynamic) as well as a user mode with adjustable brightness, contrast, saturation, and sharpness settings.

In all picture modes, the values of color temperature and tint can be adjusted to your specific needs. Other parameters that can be adjusted appear black, and when selected with the Up/Down buttons, a horizontal submenu icon appears next to it.

Parameters that appear blue cannot be changed, and the Up/Down buttons skip them when scrolling through the menu.

Picture Mode: Offers three presets for viewing the incoming video signal: Standard (default), Mild, and Dynamic. When User mode is selected, the values for brightness, contrast, saturation, and sharpness can be adjusted manually.

Brightness: Adjusts the monitor's brightness value from 0-100.

Contrast: Adjusts the value of contrast of the on-screen image from 0-100.

Saturation: Adjusts the value of screen color saturation from 0-100.

Sharpness: Adjusts the value of fine detail of the picture from 1-100.

Color Temp.: Presets are 6500 (default) and 9300. When User mode is selected, the values of red, green, and blue can be set manually from 0-255.

Tint: Adjusts the tint value from 0-100.

ON-SCREEN DISPLAY (OSD)



Language: You can set the on-screen language to English (default), Simplified Chinese, Spanish, Portuguese, French, Dutch, German, and Japanese.

Aspect Ratio: Adjusts the aspect ratio of the incoming video signal and how it is displayed on-screen. Available settings are Panorama, Auto, 4:3, 16:9, Zoom 1, Zoom 2, and Just Scan. The default setting is Panorama.

NO Signal: Set the color of the screen when there is no video signal being received. Select blue, red, green, black, or white screens. The default setting is blue.

OSD Trans: Set the menu's level of opacity. You can adjust this setting to low, middle, high, and off, with high being the most transparent. The default setting is off, which makes the menu opaque.

OSD H: Adjust the horizontal position of the on-screen menu from 0 (flush with the left side of the screen) to 100 (flush with the right side). The default setting is 50.

OSD V: Adjust the vertical position of the on-screen menu from 0 (flush with the top of the screen) to 100 (flush with the bottom). The default setting is 50.

Camera Mode: Camera mode scales the incoming video signal to fill the screen. This is useful when shooting on a DSLR. Select off (default), 480P, or 1080i.

ZOOM All: Zooms into the center of the image. Values range from 0 (default) to 100.

OSD Time: Set the length of time the on-screen menu is displayed. Select 10, 20, or 30 seconds (default), or off (the menu is displayed until you manually exit).

U/D ZOOM: Stretches the picture vertically to fit the screen.

L/R ZOOM: Stretches the picture horizontally to fit the screen.

Note: U/D Zoom and L/R Zoom will change the aspect ratio of your picture.

Backlight: Adjusts the intensity of the backlight from 0 to 100.

Power On: When auto is selected, the FieldVision 4KV2 will turn on automatically when you attach a power supply. In manual mode (default), press the power button to turn the monitor on.

USB Upgrade: Contact Elvid customer support to see if there is a firmware update for your monitor.

Reset: Pressing the Right Nav button resets the FieldVision 4KV2 to the factory default settings.

FUNCTION MENU



Center Marker: Selecting On puts a center marker on-screen. Off is the default setting. The center marker does not appear while the menu is displayed. Close the menu to make the center marker visible.

Safe Frame: Safe frame displays and adjusts the size of the on-screen safety frame markers. Press repeatedly to scroll through the safe frame settings: off (default), 80%, 85%, 90%, 93%, 96%, and 2.35:1. The safety frame will not be visible while the menu is on-screen. Close the menu to make the safety frame visible.

Image Freeze: Selecting On freezes the on-screen image. Selecting off returns to the live video feed.

Image Flip: This setting flips the display horizontally (H Flip), vertically (V Flip), or both (H_V Flip).

Check Field: In Check Field mode, only the one selected color will appear on-screen. Select red, green, blue, mono, or off (default). Check Field mode is useful for calibrating the monitor.

P2P: Pixel-to-Pixel mode turns off scaling and displays the incoming video signal in its native resolution and aspect ratio with 1:1 pixel mapping. If the picture is larger than the monitor's 1280 × 800 resolution, the center of the image will appear on-screen.

Histogram: Selecting On activates histogram mode, which indicates the overall level of exposure from light to dark. It shows the percentage of the image at a particular exposure level.

False Colors: Selecting On replaces the true colors of the image with a standard set of colors, displayed in an on-screen chart, that represents exposure levels. The higher—or hotter—the exposure, the higher the color will be in the chart.

Zoom: Zooms into the center of the image. Select between magnification factors of 4×, 9×, 16×, and auto (default).

Anamorphic: For use with anamorphic lenses. Corrects your image according to your aspect ratio. Select between 1.3×, 2×, 2.0 MAG, and off.

Focus Assist: Focus Assist removes color from the image and adds a red outline to any part of the image that is in focus.

Note: Check Field Mode is not available when focus assist is on.

Peaking Color: Changes the color of the focus assist outline. Select between red, green, or blue, or outlines.

Over Exposure: Selecting On displays animated black and white stripes through areas of the image that are overexposed. Select on or off.

Exposure Level: Adjusts the sensitivity of the overexposure animation. Select from 1 to 100 IRE.

Embedded Audio: Displays an on-screen audio meter.

Nine Grid: Turning on this feature divides the screen into a 3×3 grid of nine panels, any of which you can select to display at full screen. This is useful for zooming in on a specific part of the image to check or fine-tune the focus without adjusting or changing the frame. Use the left and right navigation buttons to select a panel. Use the up or down navigation button to expand the panel to full screen. Pressing the up or down button again will return to the grid. Press the menu button to return to the live video feed.

Ratio Marker: Selects the safe frame aspect ratio. Depending on the input signal, you can choose between 16:9, 4:3, 2.35:1, 1.85:1, and off. The default value is off.

Marker Color: Changes the color of the center marker. Select between red, green, blue, black, and white. The default color is red.

Mark width: Adjusts the width of the ratio marker. Select from 1 to 7. Increasing the value displays a thicker ratio marker. The default value is 3.

Modified mark: Dims the area of the screen that falls outside of the ratio marker. Select between 1 and 6. The higher value increasingly dims the image outside the marker. The default value is 1.

FUNCTION SHORTCUT MENU



This menu allows you to select or change the settings of the four function buttons on the front of the monitor.

The available functions are Center Marker, Safe Frames, Check Field, Focus Assist, Aspect Ratio, Camera Mode, Image Flip, P2P, Image Freeze, Histogram, False Colors, Over Exposure, Embedded Audio, Nine Grid, Zoom, and Anamorphic.

1. Press the Menu button and use the < or > navigation button to scroll to the Function Button Shortcut menu.
2. Use the ▼ button to select the appropriate function button.
3. Press the > button for a pop-up menu of available functions.
4. Use the ▲ or ▼ button to scroll through the functions.
5. Once you have scrolled to the desired function, press the Menu button to select it. The function will now be assigned to that function button.
6. Press the Menu button to return to the main menu. Press the Menu button again to return to the live video feed.

SPECIFICATIONS

MONITOR	
Panel size	7 in.
Panel type	IPS
Backlight	LED
Resolution	1920 × 1200
Brightness	400 cd/m ²
Contrast ratio	1200:1
Viewing angle	L/R: 80°/80° U/D: 80°/80°
Dot pitch (W × H)	0.07875 × 0.07875 mm
Aspect ratio	16:10
Inputs	HDMI, AV
Outputs	Composite video, headphone (3.5 mm stereo), mono speaker

(CONTINUED)

Supported formats (50/60 Hz)	480i/p, 576i/p: 60/59.94/ 50/30/29/25/24/23.98 720p: 60/59.94/50/30/ 29/25/24/23.98 1080i: 60/59.94/50 1080p: 60/59.94/50/ 30/29.97/25/24/24 PSF/ 23.98/23.98 PSF UHD 4K: 3840 × 2160 24/25/30 DCI 4K: 4096 × 2160 24
Threaded socket	1/4"-20
Input voltage	DC: 7 to 24 V
Power consumption	≤8 W
Battery type	Sony L-Series
Dimensions (W × H × D)	6.9 × 5.1 × 0.7 in. (17.6 × 13 × 1.7 cm)
Weight	Without sunshade: 10 oz. (282 g) With sunshade: 13.1 oz. (370 g)

TROUBLESHOOTING

PROBLEM	SOLUTION
The FieldVision 4KV2 will not turn on.	<ul style="list-style-type: none">• If you are powering the FieldVision 4KV2 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.
The FieldVision 4KV2 is turned on, but there is no on-screen image, or the image is weak.	<ul style="list-style-type: none">• Make sure the HDMI or composite video cable is securely plugged into the proper input connection on the FieldVision 4KV2, and that the input mode is set correctly. Try pressing the mode button to set the input mode.• If you are powering the FieldVision 4KV2 with a battery, make sure the battery is fully charged and properly seated in the battery plate.• Check your cables to make sure they are reliable.

PROBLEM	SOLUTION
The screen displays only a black and white image.	<ul style="list-style-type: none"> • Check the brightness, contrast, hue, and saturation settings, and adjust as necessary. • Make sure the Check Field mode is turned off.
The on-screen image size is incorrect.	<ul style="list-style-type: none"> • Make sure the Camera mode is disabled. • Check whether the aspect ratio is set correctly. • Make sure that the correct input signal is selected. • Check your cables to make sure they are properly connected and that they are reliable.
The FieldVision 4KV2 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 FieldVision 4KV2 as a wired standard-definition video monitor, make sure your composite audio cable is fully plugged into the composite audio input. • Check the audio settings of your camera or video source.

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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