

The elvid logo consists of the word "elvid" in a lowercase, sans-serif font, colored white. It is positioned inside a yellow rounded rectangle.

FIELDVISION
OCM-7B-4KV2
7" 4K IPS Monitor

**USER
MANUAL**





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. 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 and Focus Assist setting to fine-tune your focus. 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.

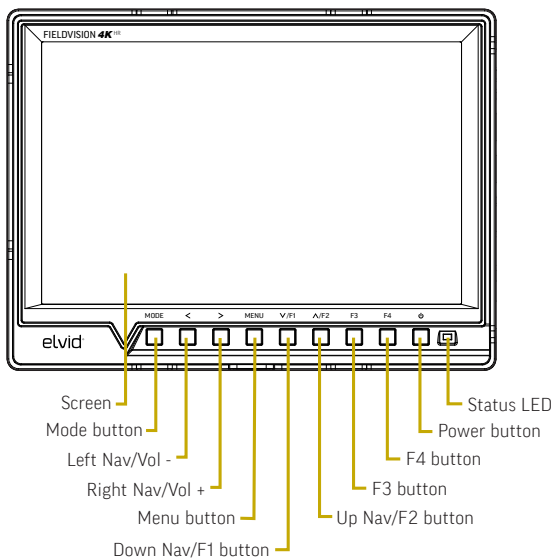
PRODUCT CONTENTS

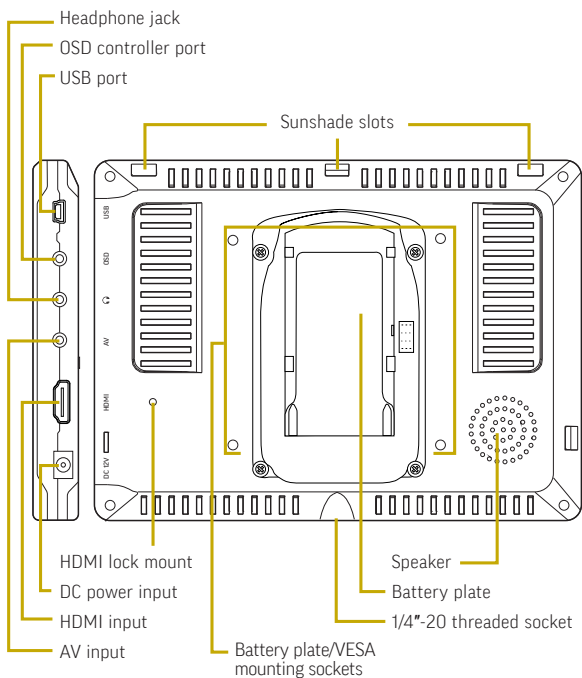
- 7 in. On-Camera Monitor
- Shoe-mount ball head
- Sunshade mounting frame
- Sunshade
- Mini HDMI to HDMI cable
- HDMI lock collar
- Sony L-Series battery mount



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

OVERVIEW





POWERING OPTIONS

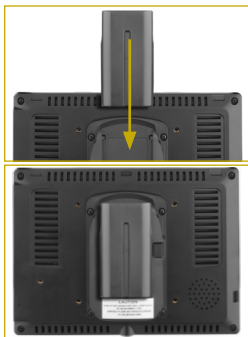
There are two ways to power the FieldVision 4KV2: AC power or battery (not included).

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.



Once the battery is installed, the FieldVision 4KV2 will automatically power on. If there is no input video signal, it will enter standby mode (orange indicator LED).

To turn on the FieldVision 4KV2 with the power button once the battery is installed, change the setting in the Power on feature in the On-screen Display menu.

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 monitor'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 Shortcut Menu* below for information on changing the function assignment for each button.

F1 Button: Preset to Histogram.

F2 Button: Preset to False Color.

F3 Button: Preset to Check Field.

F4 Button: Preset for Focus Assist.

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 menus and submenus

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

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

IMAGE MENU



The image menu offers three preset picture modes as well as a user mode with adjustable 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 white, and when selected with the Up/Down buttons, a horizontal submenu icon appears next to it.

Parameters that appear gray 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 onscreen image's contrast value from 10-100.

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

Sharpness: Adjusts the onscreen image's fine detail value from 0-100.

Color Temp: Presets are 6500 (default) and 9300 K. 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. The default value is 50.

ON-SCREEN DISPLAY (OSD)



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

Aspect Ratio: Adjusts the aspect ratio of the incoming video signal and how it is displayed on-screen. Available settings are Auto (default), 4:3, 16:9, Just Scan, Panorama, and P2P.

No Signal: Set the color of the screen when there is no incoming video signal. Select blue (default), red, green, black, or white screens.

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.

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 constantly displayed).

Backlight: Adjusts the intensity of the backlight from 0 to 100. The default setting is 89.

Power On: When set to Auto (default), the monitor will automatically power on when a battery is attached. Select Manual to power on the monitor via the power button when a battery is attached.

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

Reset: Pressing the right navigation button (➤) resets the OCM-7B-4KV2 to the factory default settings.

ZOOM MENU



Nine Grid Zoom: Use the < or > navigation buttons to select a grid section. Then press the ^ or v buttons to fill the screen with the selected grid. This function becomes available when Nine Grid in the Function Menu is turned on. (See *Function Menu* below.)

Note: Nine grid zoom will not function when the menu is on-screen.

Zoom: Zooms into the center of the image. Available settings are 4X, 9X, 16X, and Off (default).

Zoom Mode: Select between preset Zoom Mode 1 (20%), Mode 2 (30%), and Off (default). Activating the Zoom function also activates Zoom All, L/R Zoom, and U/D Zoom so the settings can be adjusted manually.

ZOOM All: Active only when Zoom Mode 1 or 2 is selected. Zooms into the center of the image in increments of 1%. Values range from 0 to 100. When the value of the Zoom mode is changed, the monitor stores the value and returns to it when the mode is selected.

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

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

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

Scan Mode: Underscan (default) displays the full signal, including the blanking area. Overscan excludes the edges that may contain a blanking area.

FUNCTION MENU



Center Marker: Selecting On puts a center marker on-screen. Off is the default setting. Press the Menu button twice to close the menu and make the center marker visible.

Safe Frames: Safe Frames 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. Press the Menu button twice to close the menu and make the safety frame visible.

Nine Grid: When turned on, a 3×3 grid appears on-screen. The default setting is off.

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, vertically, or both.

OSD Flip: Selecting Off (default) keeps the on-screen display's orientation unchanged by the Image Flip setting. Selecting On flips on-screen display's orientation with the Image Flip setting.

Anamorphic: De-squeezes video shot with an anamorphic lens so it will fill the screen. Select between Off (default), 1.3X, 2.0X, 2.0X MAG, and User.

Anamorphic nX: Available when User is selected in the Anamorphic menu. Set the magnification from 1.20X to 2.00X in 0.01X increments.

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

Note: Focus Assist Mode automatically turns off when Check Field is on.

Histogram: The meter shows the percentage of the image at a particular exposure level. Select off (default) or on.

False Colors: Replaces the true colors of the image with a standard set of colors that represent brightness levels, and places a reference table on the right side of the screen. This function allows you to achieve the proper exposure level without external equipment. The default value is off.

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

Peaking Color: Selects the color of the peaking feature's outline. Choose red (default), green, or blue.

Over Exposure: Displays diagonal stripes through areas of the image that exceed the exposure level setting in the Exposure Level menu.

Exposure Level: Adjusts the exposure level intensity from 1 to 100. The default value is set to 98 IRE.

Embedded Audio: Selecting On puts a meter on-screen that can monitor embedded stereo audio. The default setting is Off.

Ratio Marker: Adjusts the aspect ratio of the incoming video signal and how it is displayed on-screen. Available settings are Off (full screen), 4:3, 13:9, 14:9, 15:9, 16:9, 1.85:1, and 2.35:1. The default setting is Off.

Mark Color: Changes the color of the center and ratio markers. Choose from color options red (default), green, blue, black, and white.

Mark Width: Adjusts the thickness of the center and ratio markers. Choose 1 (thinnest) to 7 (thickest). The default setting is 3.

Modified Mark: Darkens the screen area around the aspect marker from 0 (lightest) to 7 (darkest). 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 Function buttons are preset to Histogram, False Colors, Check Field, and Focus Assist.

1. Press the Menu button and use the < or > navigation buttons to scroll to the *Function Shortcut Menu*.
2. Use the ▲ or ▼ buttons to select a function button.
3. Press the ➤ button for a pop-up menu of available functions.
4. Use the ▲ or ▼ buttons to scroll through the functions.
5. Press the Menu button to select a function and assign it 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.	• 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.	• 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.	• 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.	• 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).	• Turn the monitor's volume all the way down or plug headphones into the headphone jack.
There is no sound.	• 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.

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