Smart 5 Monitors Quick Start Guide

The new Smart 5 Series is engineered to deliver the same professional toolset of our Ultrabright and Smart 7 series in a rugged, compact, 5-inch monitor with daylight-viewable displays and unmatched PageOS functionality.

The powerful, portable, and adaptable **Ultra 5** offers 3000nits of dazzling brightness, a locking power adaptor, an Ethernet port for ARRI camera control, plus a full suite of large, front-facing physical buttons for maximum control in all conditions. The **Cine 5** is lightweight, compact, and offers 2000nits of daylight-busting brightness – plus a convenient joystick and back button that allows for quick adjustments while wearing gloves. The **Indie 5** is the smallest and lightest monitor in the Smart 5 Series, with 1000nits of brightness, and optional camera-control functionality.

Experience all your favorite PageOS 5 tools, functions, and settings pages on any of our premium 5-inch touchscreen monitors.

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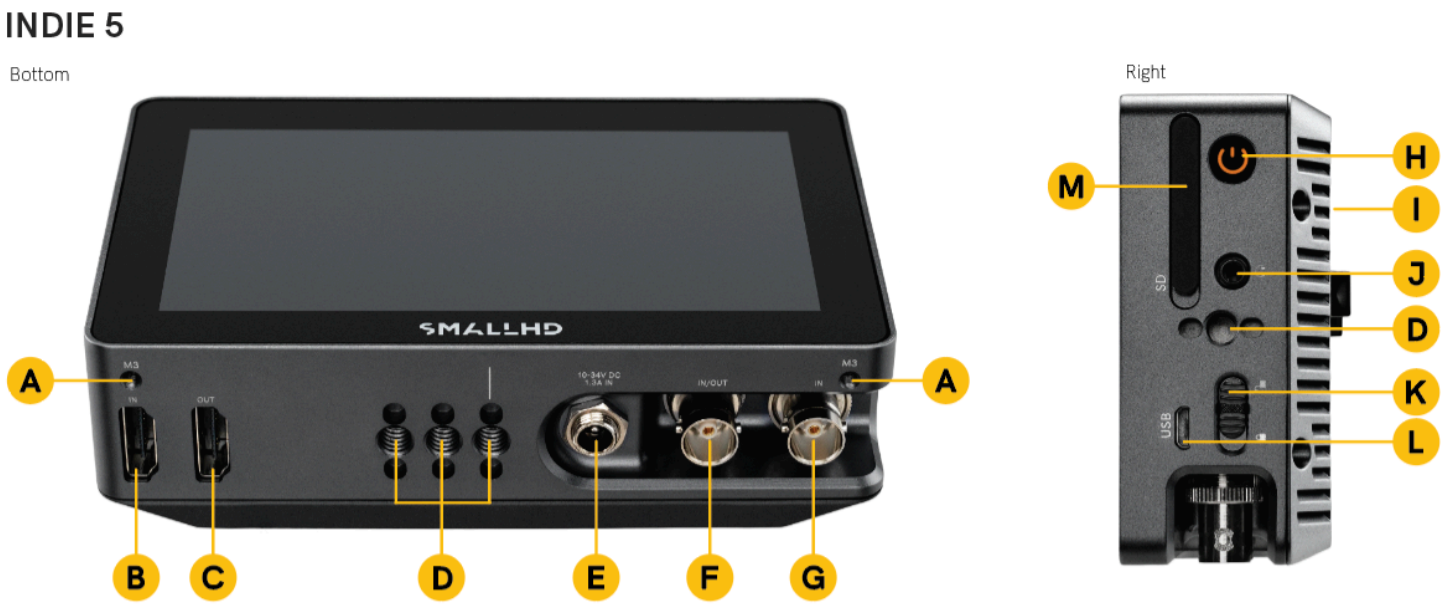
ACTIVATE WARRANTY

To activate your monitor's warranty, please go to https://activate.smallhd.com/. You will need the serial number, which is located on the sticker where the battery goes (you may need to remove your battery to see it). You will also want to have a copy of your invoice from your purchase to confirm the purchase date.

PHYSICAL PROPERTIES



A: M3x0.5mm

B: HDMI In

C: HDMI Out

D: ¼"-20 Mounting Points

E: 5.5mm x 2.0mm Barrel

F: SDI Input/Output

G: SDI Input

H: Power Button

I: L-Series Battery Plate

J: Headphone

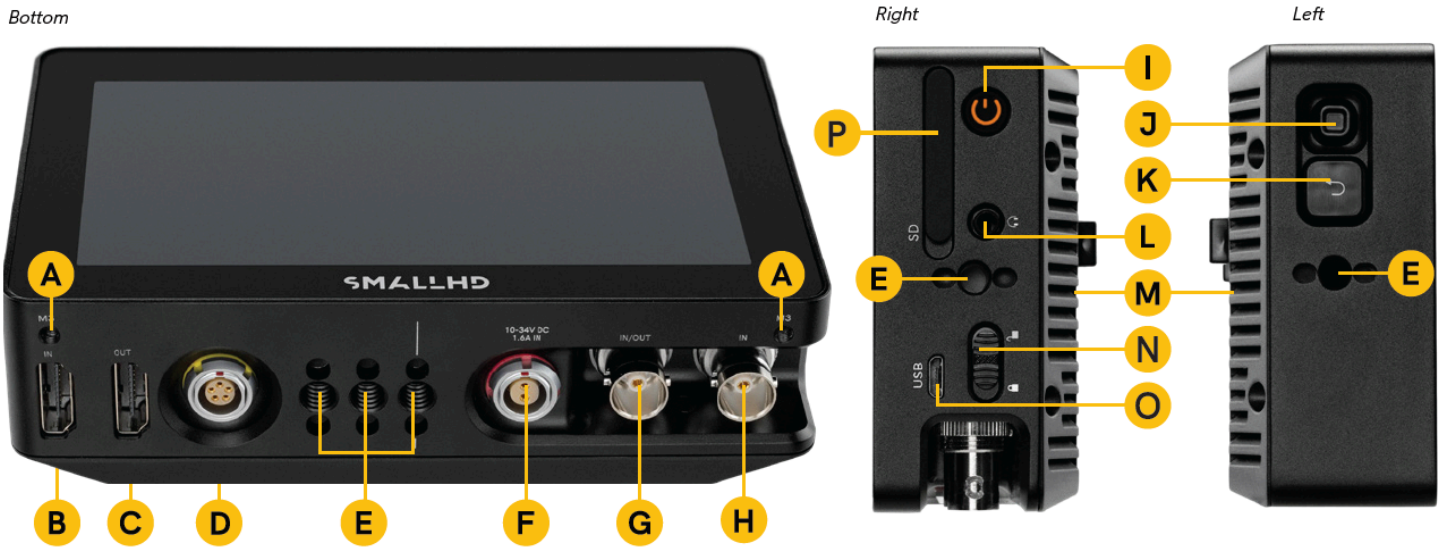
K: UI Lock Switch

L: Micro USB

M: SD Card Slot

Connector (DC 10-34v)

CINE 5



A: M3x0.5mm

B: HDMI In

C: HDMI Out

D: 5-Pin Locking USB

E: ¼"-20 Mounting Points

F: 2-pin Locking Power Input

G: SDI Input/Output

H: SDI Input

I: Power Button

J: Joy Stick

K: Back Button

L: Headphone

M: L-Series Battery Plate

N: UI Lock Switch

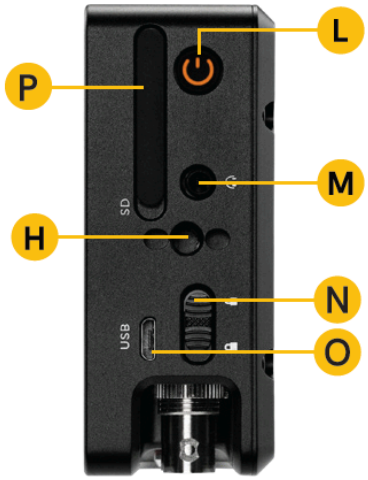
O: Micro USB

P: SD Card Slot

ULTRA 5

Bottom

Right



A: Joystick

B: Back Button

C: Custom Function Buttons

D: 5-Pin Locking USB

E: HDMI Input

F: HDMI Output

G: Ethernet

H: ¼"-20 Mounting Points

I: 2-pin Locking Power Input

J: SDI Input/Output

K: SDI Input

L: Power Button

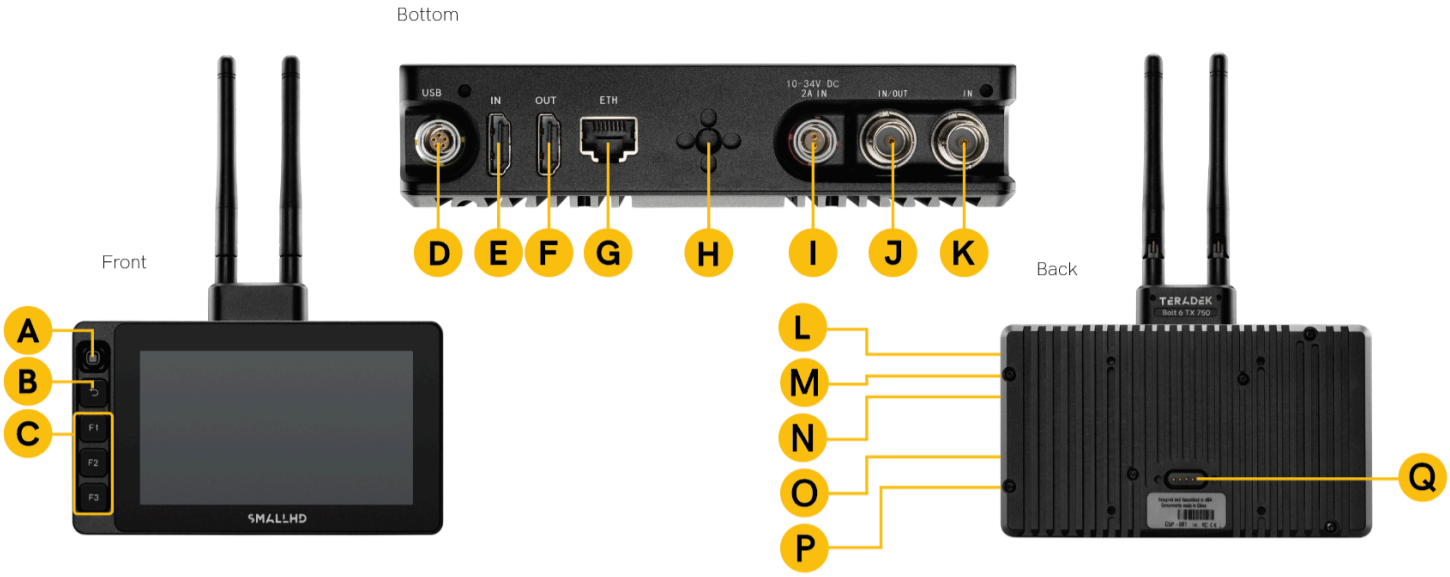
M: Headphone Output

N: UI Lock Switch

O: Micro USB

P: SD Card Slot

ULTRA 5 TX



A: Joy Stick

B: Back Button

C: Custom Function Button

D: 5-Pin Locking USB

E: HDMI Input

F: HDMI Output

G: Ethernet

H: ¼"-20 Mounting Points

I: 2-pin Locking Power Input

J: SDI Input/Output

K: SDI Input

L: Power Button

M: Headphone Input

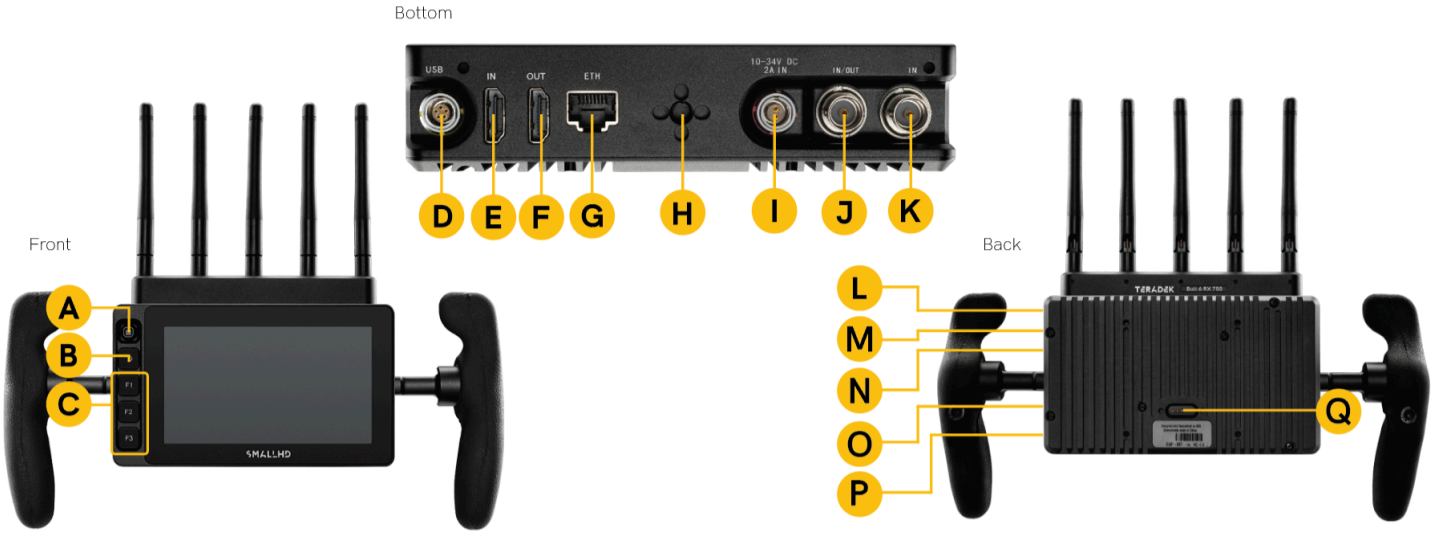
N: SD Card Slot

O: Micro USB

P: UI Lock Switch

Q: Pogo Interface for CS Micro Pro Battery Plates

ULTRA 5 RX



A: Joy Stick

B: Back Button

C: Custom Function Button

D: 5-Pin Locking USB

E: HDMI Input

F: HDMI Output

G: Ethernet

H: ¼"-20 Mounting Points

I: 2-pin Locking Power Input

J: SDI Input/Output

K: SDI Input

L: Power Button

M: Headphone Input

N: SD Card Slot

O: Micro USB

P: UI Lock Switch

Q: Pogo Interface for CS Micro Pro Battery Plates

POWER AND CONNECT

POWER

1. Connect power to the monitor using a L-Series style battery or an alternative power source.
2. Press the power button.

INPUT/OUTPUT

- Video signals via HDMI up to 4Kp30

- Video signals via SDI up to 1080p60

MOUNTING OPTIONS

¼"-20 MOUNTING POINTS

Cine 5/Indie 5: 6x ¼"-20 mounting points secure the monitor to a camera or rig (left side, right side, and bottom).

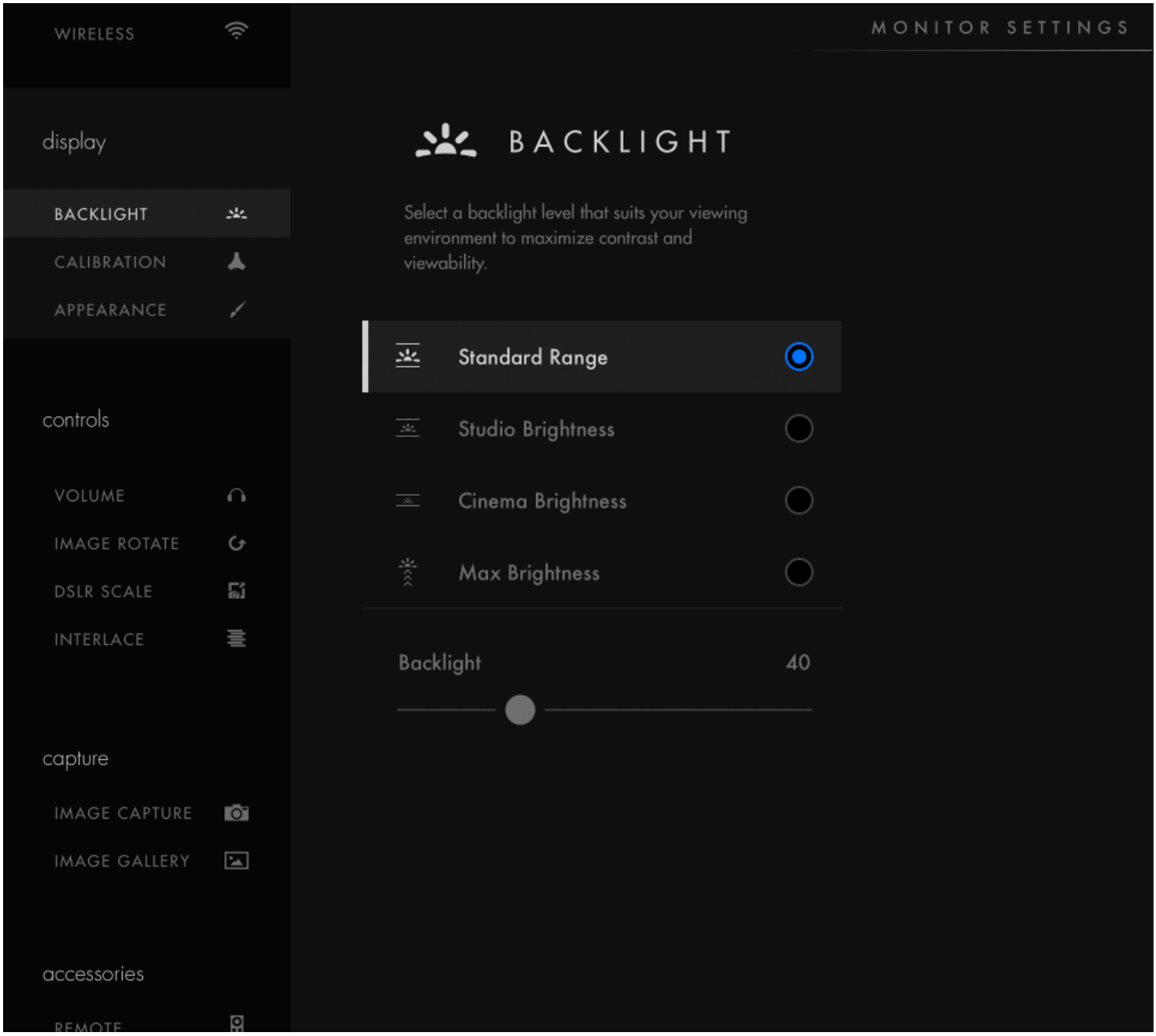
Ultra 5: 4x ¼"-20 secure the monitor to a camera or rig (left side, right side, and bottom).

Ultra 5 TX/RX: 3x ¼"-20 mounting points secure the monitor to a camera or rig (left side, right side, and bottom).

PAGEOS 4 OVERVIEW

The PageOS 4 interface allows users to configure and assign specific image analyzing tools and/ or features to up to eight customizable pages. Users can access those tools by navigating to the corresponding page on the monitor, instead of enabling or disabling features individually.

General Layout

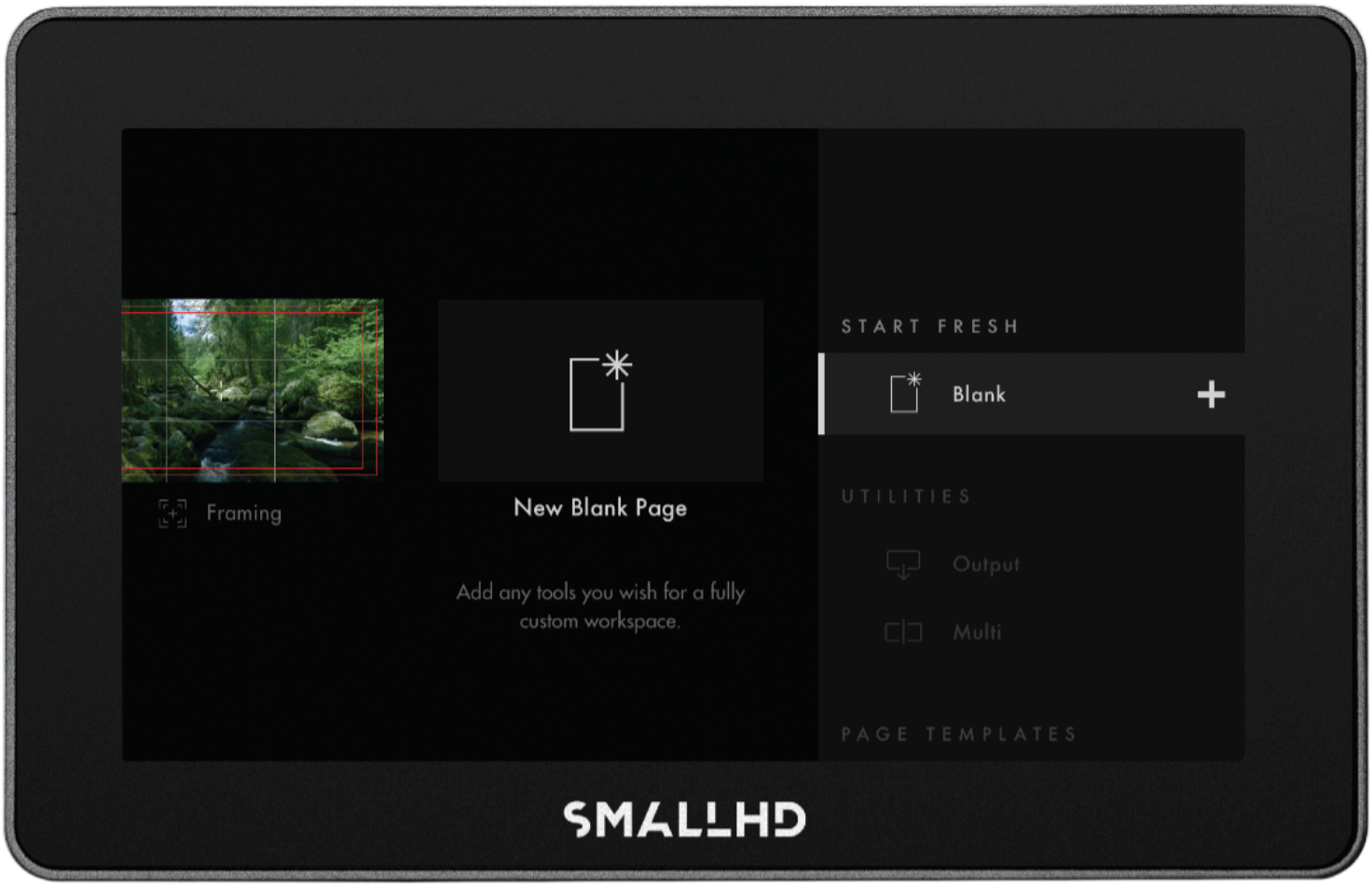


Pages View
The 'Pages View' offers a zoomed-out perspective of all configured pages, allowing organization and naming to ensure the most efficient overall setup.

Settings
Adjust a wide range of global monitor settings.

Dashboard
The Dashboard provides access to the most commonly-used settings such as Input, Volume and Backlight. The Dashboard can be disabled via **Full Settings > Dashboard**.

Basic Navigation



Touch Screen
PageOS has an easy-to-navigate touchscreen that works just like your smartphone.

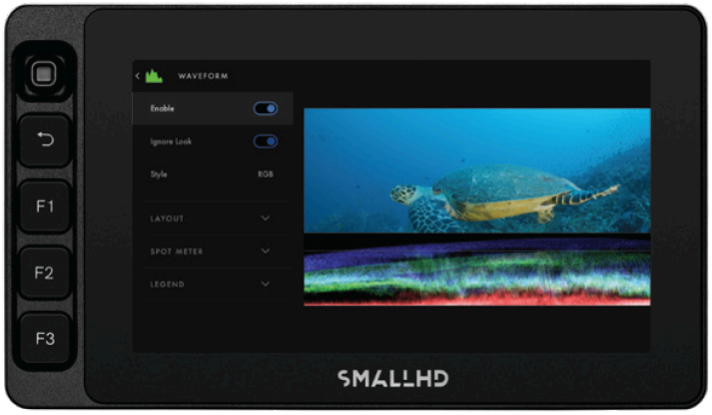
- Pinch to zoom
- Swipe left and right between custom pages
- Slide your finger down for a view of all your preset pages
- Swipe all the way left to access your deep settings menu (Calibration, Profiles, etc)

Adding New Pages
To create a new page from either a fresh workspace, a template, or a specific utility, navigate to the right-hand side of the Pages View.

Add New Tool to a Page
Tap your screen while on any page to reveal the toolbar. Press the plus sign that appears on the left side of the page. Select the tool you want to be added to that page.

Activating Tools
Tap your screen while on any page to reveal the toolbar. Then select the tool you want to activate. To adjust the custom settings of that tool press the arrow that appears next to the name of the tool.

Joystick / Button
Some Smart 5 models are equipped with a Joystick and Buttons which can also be used for navigation if desired.



EL Zone

EL Zone is a stop-based exposure map tool—developed in collaboration with legendary cinematographer Ed Lachman, ASC that works like a virtual spot meter, replacing IRE exposure values with stops. Sensor data from the camera provides a reference point, and a false color represents each stop above and below 18% gray, allowing for easier, more intuitive on-set communication.

EL Zone is only possible to use if you are feeding your SmallHD monitor a Log signal. It doesn't work if you are inputting a signal with a LUT enabled.

To enable EL Zone, make sure you create a color pipe in your monitor's settings menu. You will need to send the monitor a LOG signal and select the log signal that you will be sending it. **NOTE: Make sure you select "Do Not Convert" in the Color pipe options**.

Settings: Input and Output

Input Config

Select an input to display its image -- configure a source to unlock log conversions into HDR and SDR color spaces.

Color Pipe

Follow the Wizard instructions to assign and configure color space and curve transformations, to enable HDR and SDR from incoming log-based sources.

Settings: Display

Backlight

Select a backlight level that suits your viewing environment to maximize contrast and viewability.

Calibration

Calibration ensures chrominance and luminance accuracy that can be relied upon for critical color decisions.

Appearance
Apply sharpening to the video data, if desired

Settings: Controls

Volume
Adjust the audio output level for the headphone jack and/or monitor speaker.

Image Rotate
Image Rotate options enable upside-down mounting - or enable Mirroring for when the monitor must face the subject.

Interlace
These options control how interlaced footage is displayed.

Settings: Capture

Image Capture
Configure the Image Capture tool to help facilitate shot matching or for automatic thumbnail creation upon pressing Record. (Note: SD card must be inserted into the monitor to perform an image capture).

Image Gallery
Browse the Image Gallery to review the images on your removable media.

Settings: Interface

Pixel Zoom
Configure the default zoom levels for Pixel Zoom to ‘punch in’ to a desired amount when spot checking a particular shot.

Status Display
Enable and configure the Status Display to get info on various monitoring-related data such as battery life and frames per second.

UI Lock
Once enabled, pressing and holding on the touchscreen for five seconds will lock the UI. Repeating the process will unlock the UI.

Language
Change the language of the internal menu system.

Settings: User

Backdrop
Enable a customizable backdrop for when the monitor is not displaying a signal.

Power
Power-related options such as auto recovery.

Date Time
Setting the correct Date & Time will ensure that captured images get an accurate timestamp.

Monitor ID
Set a custom name for your monitor, to make it more easily recognizable.

Profiles
Save or load the entire monitor's configuration to an SD card, great for keeping consistent settings across several monitors.

Settings: System

Firmware
Firmware can be updated by inserting an SD card with a compatible update file. For the latest firmware download visit: **www.smallhd.com/software**

Factory Reset
Reset the monitor settings to their original factory settings, with the option to clear registration and calibration.

Licenses
Follow the on-screen prompts to install your purchased license keys (for example, Control for KOMODO).

Compliance
CE, FCC, UKCA

ADDITIONAL RESOURCES AND FCC RULES/REGULATIONS

Additional Resources
guide.smallhd.com

Social Media
@smallhd

Get Camera Control

Certifications

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