

# SmallHD 502 HDMI/SDI Field Monitor



## Tech Specs

### Display

Panel Type	LCD
Size Diagonal	5
Resolution	1920 x 1080
Pixel Density (PPI)	441
Aspect Ratio	16:9 Native
Active Area	5.0 in
Brightness	400 cd/m2
Contrast	1500:1
Color Gamut	85% NTSC (100% Rec 709)
Color Depth	24 Bit (8bpc)
Viewing Angle	Full 179 Degrees
Backlight Type	LED
Adjustable Backlight	Yes
Temperature Adaptive Color	Yes

# Input Signal Types/Formats

HD-SDI	RGB/YCC 4:2:2 and 4:4:4, 1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF29.97, 720p60, 720p59.94, 720p50
HDMI	Supports 8/10/12 bit color, 1080p60, 1080p59.94, 1080p50, 1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50
Component	N/A
Composite	N/A
Audio	HDMI and SDI

# Output Signal Types/Formats

HD-SDI	RGB/YCC 4:2:2 and 4:4:4, 1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF29.97, 720p60, 720p59.94, 720p50
HDMI	Supports 8/10/12 bit color, 1080p60, 1080p59.94, 1080p50, 1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50
Component	N/A
Composite	N/A
Audio	Stereo Out (headphones)

# Connector Type

SDI	1 SDI (in), 1 SDI (out)
HDMI	1 HDMI (in), 1 HDMI (out)
Component	N/A
Composite	N/A
Audio	1/8in Mini Stereo Headphone
Power	LP-E6 style
USB	Micro-USB 5V @ .5A

# Controls

Primary Control Interface	Joystick + "Back" button
Record/Capture	Capture button
User Defined Functions	Uses "Pages" in conjunction with the Joystick control to provide any number of user defined monitoring options.
RF Wireless Remote / External Control	Future

# Data I/O

Storage	SD Card (full-size)
USB	Factory use and Future user functionality
Wireless	Future
Wifi	Future

# Power

Connector Type	LP-E6 style
Voltage	6.0 - 8.4 volts
Power Consumption	8 watts
Battery Plate Included	LP-E6 (2 battery slots)
Recommended Power Supply	LP-E6 coupler with built-in 7.2v, 2A regulator
Overload Protection	Yes
Smart Battery Compliant	Yes
Battery Types	LP-E6

# Environmental

Compliance	CE, FCC
Operating Temperature	30F to 90F
Storage Temperature	0F to 120F
Screen Protection	1mm Acrylic (user replaceable)
Height	2.9" (7.37cm)
Width	5.8" (14.73cm)
Depth/Length	.8" (2.03cm)
Weight (Item Only without battery)	7.4oz (209.79g)
Weight (Packaged)	14oz (396.89g)
Mount Points	(3) ¼-20 thread points (bottom, back & right side)

# Software

Pixel Zoom (type)	2x & 4x with smooth pan via joystick
Frame Guides	Yes
DSLR Scale	Near Future: Canon, Nikon
Custom Scale	Yes
Anamorphic De-Squeeze	Near Future
Image Rotate(Manual/Automatic)	Near Future
Image Flip (Manual/Automatic)	Near Future
Cross Conversion	Near Future
Focus Assist (Colors)	Yes
Peaking	Near Future
False Color	Yes
Zebra	Yes - Multiple
Waveform	Near Future
Vectorscope	Near Future
PIP	N/A
RGB Parade	Near Future
Histogram	Yes
Horizon Indicator	No
Image Capture	Individual and Time Lapse
Dailies Recording/Playback	Future
Custom LUTS	Yes
LUT Creation	No

LUT Downstream	Future
LUT Import	Yes
Onion Skinning	Yes
Image Overlay	Yes
Blue Only	Yes
Firmware	User Upgradable. Current Version: 0.1
Audio Meters	Near Future