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ULTIMATE HD DISPLAYS

919-439-2166 • support@smallhd.com • www.SmallHD.com

Production Monitors • UltraBright Series
700 Series • 702 OLED • 500 Series

Out of the Box

Full HD Monitoring Solutions

In less than a decade, SmallHD has become known as the leading innovator of Full HD on-camera and production monitoring solutions for professional moving image makers worldwide.

From pioneering the world's first high definition on-camera monitors to introducing the most dynamic operating system and array of tools on the market, SmallHD consistently leads the way with a growing host of operator-focused innovations to improve the user experience and contribute to the filmmaking palette.

“SmallHD, in my opinion, makes the best field monitors on the market. I love them!”
Philip Bloom, Filmmaker

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Production Monitors
Our Production Monitors come in 13", 17", 24" & 32" screens—all daylight viewable. Choose from Production, HDR, and P3 monitors, all with the same ruggedness & toolsets, for studio, field & post.

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UltraBright Series
Hands down, these are the brightest 5" & 7" compact monitors on the market. Low power consumption and LEMO power inputs make the 2200 and 2500 nit UltraBrights ideal for Steadicam, gimbal and remote camera operation.

page **8**




700 Series
DITs, mobile camera operators & cinematographers, count on 700 Series monitors to accurately display focus, exposure, color rendition and framing, even in bright sunlight. With a 179° viewing angle these 7" displays offer critical viewing on directors rigs & mounted on camera.

page **10**



702 OLED
Get the benefits of SmallHD's full-featured operating system & toolset with the advantages of OLED technology in a compact 7.7" unit. This new design offers front push-button access to user specified presets.

page **11**



500 Series
Check out SmallHD's renowned go-anywhere 5" on-camera monitors & Sidefinder EVF monitor combo. You'll get full access to professional software tools in a low-profile 7oz monitor that's built for a rugged life on set or in the field.

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500 Series and 700 Series Specifications

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Production Monitor Specifications

smallHD.com



“The **SmallHD 702** is light enough to use on gimbals, plenty bright enough to see in direct sunlight, yet very quick when changing modes.”

William Bennett, ASC
Cinematographer



“The **1703 HDR** is the perfect monitor for shooting on location and I have traveled to distant locations with it as checked baggage many times. It's rugged construction handles the rigors and abuse of the most demanding job and airport baggage handling. I never feel the need to baby the monitor. This allows me to move quickly and focus my attention on the DP's needs, the camera and the shot. With the addition of wireless video and the 1703 HDR's low power consumption, all you have to do is slap on an on-board battery and this monitor is ready to rock. While there will always be stress in the Camera Department, relying on the 1703 HDR, I always have the confidence to check the Gate and move on to the next shot.”

Micah Bisagni
1st AC



“Multi-view on the **1303 HDR** is awesome. And, this thing is built like a tank. You will have to pry it out of my dead cold hands.”

Jem Schofield of the C47
Producer/DP/Educator



“The night before the shoot, my First AC Jared Wennberg called me and asked, *Hey man, just picked up that new 1703 HDR monitor, want to try it out?* It was great. I could see 17 inches of everything as clear as day without a hood, and I had scopes and false-color for exposure. Oh, and all on a battery! I watched playback while wearing sunglasses.”

Matthew Macar
Cinematographer



“As an AC or Operator's display, the **702-Bright's** full HD 7-inch 1080p combined with built-in Focus Assist tools allows critical focus to be monitored and locked. There's a slew of exposure assist tools that provide an accurate idea of the shot without any surprises. Flexibility combined with the tremendously bright display makes the SmallHD 702-Bright useful to have on any set.”

Phil Holland
Cinematographer



PRODUCTION MONITORS

SMALLHD FULL SIZE MONITORS:
1300 SERIES, 1700 SERIES, 2400
SERIES & 3200 SERIES

With unprecedented brightness

and viewing at HDR color gamut, contrast and dynamic range levels, they are the toughest built production monitors on the market.

PRODUCTION MONITORS

• 1300 • 1700 • 2400 • 3200 Series

HDR (High Dynamic Range)

Get the full brightness range of an extended picture profile, revealing bright highlights and deep shadows to show exactly what the video signal contains. Our HDR preview monitors come in 13", 17", 24" & 32".

DCI-P3

This RGB color space standard for digital movie projection lets the shooter and/or colorist see the same color gamut that ultimately will be viewed on a P3 calibrated theater projector. SmallHD offers the 1703-P3.

STUDIO

Displaying 100% of ITU Rec. 709 standard for video monitors, SmallHD's durable and cost-effective, full-featured display line is ideal when lighting is controlled and HDR viewing is unnecessary.

1300 SERIES 13-INCH

1303 HDR

- 1500 nit display
- HDR preview capable

1303 Studio

- 100% Rec. 709

1700 SERIES 17-INCH

1703-P3

- Over a billion colors
- 100% DCI-P3

1703 HDR

- 1100 nit display
- HDR preview capable

1703 Studio

- 100% Rec. 709

2400 SERIES 24-INCH

2403 HDR

- 1000 nit display
- HDR preview capable

2403 Studio

- 100% Rec. 709

3200 SERIES 32-INCH

3200 HDR

- 1500 nit display
- HDR preview capable

DAYLIGHT-VIEWABLE PRODUCTION MONITORS

SmallHD's Production Monitor line continues to lead the pack, with 13-inch, 17-inch, 24-inch and 32-inch models, each offering daylight viewing ability, color accuracy, super rugged build, and expansive toolset. From firmware to hardware, these monitors were designed for easy, intuitive set up and operation. All this plus unprecedented brightness at up to 1500 nits make for a true shoot-anywhere package.

Designed for quick deployment, SmallHD Production monitors instantly fit into any production or post environment, whether mounted on a rack, table-top, C-stand or cart.

Full HD Display

SmallHD's full-HD Production Monitor displays are high resolution 1920x1080, and available with a variety of display types tailored for on-set use. The 1703-P3 is also ideal for post production use.

Really Rugged

When it comes to durability, SmallHD pulled out the stops. All sizes are built for a long life on the set, location or in an edit suite. They are the only production monitors on the market to feature rugged milled aluminum chassis as well as other smarter build ideas like built-in hardened rubber corner bumpers. To keep the screens pristine, there's also user-replaceable 3mm-thick polycarbonate screen protectors that drop-in and lock into place.

Wider Viewing

The display screens are designed for wide, up to 170 degree viewing angles, with some covering up to 100% DCI-P3 with a Delta E average of 0.5.

Intuitive Firmware

High-end software features include: cutting edge HDR preview capability when used with high dynamic range cameras, multi-view mode with ColorFlow for viewing multiple sources with varied post-production LUTs applied, 10-bit color processing, 10-bit HD waveform and scopes, and much more.

Page Builder Operating System

SmallHD's Page Builder OS provides an intuitive way to navigate the deep functionality of the monitors using a joystick. Front-panel pre-set buttons offer quick access to monitoring functions.

Manages Post Looks & HDR Preview

ColorFlow provides flexibility when it comes to managing post-production looks and previewing HDR during a shoot. Looks (in the form of 3D LUT files) and HDR can be applied and compared side-by-side to the raw SDI and HDMI signals using the multi-view function.

Independently, a separate LUT can be sent downstream via SDI or HDMI to a client or director who requires a polished look on their monitor. Finally, any active LUT will be documented when the image capture button is pressed, placing the captured image and the corresponding 3D LUT next to each other on the user's SD card—the perfect reference point for the post house during the color grading process.

Ultra-compatible Accessory Mounting

SmallHD's unique RapidRail system and Vesa mount offer neat and versatile accessory mounting and powering of third party accessories. Multiple 1/4-20 and 3/8 threaded mounting options all around the frames are another handy way to attach accessories.



HDMI and SDI Format Agile

These production monitors provide video input and output in both SDI and HDMI, with extremely low delay cross conversion between the two.

Power Options

The monitors can be powered with an AC adaptor, or by 14V battery packs with V or Gold mounts. They are designed to operate fully-wirelessly with an easily integrated Teradek or Paralinx video receiver via the A/B battery mount.

Optional Accessories for Most Units

The full-size monitors feature a built-in top handle and optional accessories for most units. Optional accessories include: sun hood, polycarbonate screen protectors, Gold Mount and V-Mount battery plates.



BREAKTHROUGH VIEWING IN FULL SUNLIGHT

SmallHD's UltraBright on-camera style monitors raise the bar on full daylight display viewing. The five-inch 503 UltraBright offers an amazing 2200 nit display and the seven-inch 703 goes even brighter with 2500 nits. Fully adjustable, both screens can be accurately viewed in full sunlight, without need for any shading device.

Aids Critical Focus

Ideally mounted on camera or a Director's Rig, UltraBrights are designed to fill a variety of needs, from a gimbal operator requiring a bright yet lightweight and compact monitor to a First AC pulling critical focus in all environments, or to show a director two camera angles at once. These 1920x1080 full high definition displays provide 10-bit processing, both HDMI and SDI inputs and outputs, with the option of powering via battery packs or from AC.

Bright and Rugged

These incredibly bright IPS (503) and LTPS (703) screens feature LCD optically bonded Gorilla Glass.

HDR Preview and Easy Tweaking

UltraBright's offer HDR Preview. For more accurate on-set exposure adjustment, users may select Camera Input Gamma in the settings menu and individually tweak footage white point and black point via data values in the form of a histogram.

Tools Assist with Exposure, Focus & more

Like SmallHD's other monitors, a useful suite of tools is included in the UltraBrights, offering functions including 3D LUT support, HD Waveform and scopes, Focus and Exposure Assists, and Page Builder OS that allows customizing menus to each camera operator's individual preference. A Dual View function allows either two SDI or an SDI and an HDMI input to be displayed side-by-side, an advantage for A/B camera set-ups or viewing LOG and DelOG footage on-set.

LEMO Input Power Solutions

Engineered for professional power solutions, the 503 and 703 feature integrated 2-pin 12V LEMO input for powering the monitor and Native mounting solutions for both Anton Bauer Gold/V-mount and Sony L-Series dual battery plates. Both offer full HDMI cross conversion.

“In my twenty plus years working with Steadicam, I've always been on the look-out for a reliable daylight viewable monitor. The SmallHD 703U is an amazingly lightweight, durable monitor with enough horsepower to be seen in the harshest of daylight conditions. Many high nit monitors suffer in the color department as it's very difficult to maintain accurate color rendition with large amounts of backlight being pumped through the screen. For Steadicam use, I've always accepted this limitation because the monitor is really there for framing. I've always wanted a more color accurate monitor with programable LUTs so



everyone who looks at my monitor sees a better rendition of the image we are capturing.



From everything I've seen, the SmallHD 703U is this. The color and contrast on the 703U is spot on and there is still detail in the shadow areas which have also been known to suffer on other *high-bright* monitors. The 703U has all the features of the 702-Bright (which I've been using on *Studio Mode* cameras) with its intuitive menus and many, many features.”

**Alec Jarnagin, SOC
Camera/Steadicam Operator**

700 SERIES • 701 Lite • 702 Lite • 702-Bright



DAYLIGHT VIEWABLE 7" ON-CAMERA & ON RIG MONITORS

Filmmakers, DITs, mobile camera operators, and others on a production crew now count on 700 Series monitors to accurately display focus, exposure, color rendition and framing, even in the brightest sunlight.

These 7-inch monitors answer the need for superior daylight viewing ability. Based on SmallHD's highly efficient and elegantly engineered platform, these slim, low profile units display focus, exposure, color rendition and framing, as well as input and output ports for HDMI and SDI video. Choose from the DIT's-choice 702-Bright in Full HD resolution or the cost-effective 701 and 702 Lites to suit individual needs.

Quick Boot-up

Press the power button, and in 3 seconds it's ready for on-set viewing.

Excellent Viewing Ability

The 700 Series monitors' display yields a Full HD picture, with an additional 120 horizontal lines to display menu information without intruding on the image itself. At 1000 nits of brightness, 323 pixels-per-inch and resolution of 1920x1200, the 702-Bright is right at home in full sunlight. With 450 nits, 216 ppi, and 1280x800 resolution, the 701 Lite & 702 Lite are also at home in the field on a mobile rig or director's finder. An optional sun hood is available for convenience.

Intuitive Operating

The thumb-operated joystick and back button offer quick and easy access to the entire OS. With a flick of your thumb you can instantly zoom in or out of the source image, enter the menu, or access different tools.

Page Builder OS

SmallHD's toolset is controlled by the Page Builder operating system. This format lets users create custom group toolset features. For example, one page can be built with focus assist tools, a second with exposure assist tools, a third for importing and displaying 3D LUTs, and you can then toggle between the pages as needed.

Expansive Toolset

An array of exposure and focus assist tools is easily accessed. Professional features like Waveform, RGB Parade, HDMI/SDI Signal Conversion, SD Card Image Capture, and downstream 3D LUTs improve any production workflow.

Enhanced Focus Options

A clear, Full HD display is even more useful with the right tools like Peaking and Focus Assist. Focus Assist indicates the in-focus portions of the scene via a colored line overlay. Choose from 11 different color options for optimum clarity of the in-focus portion of the image.



Power Versatility

Dual slots on the back of the monitors accept either Canon LPE-E6 or Sony L-Series battery packs. Or power up from the optional AC adapter/cable or D-tap/P-tap off a camera battery.

Import 3D LUTs in the Field

Custom 3D lookup tables (LUTs) can be imported via the SD card slot for display on a 700's screen, and sent downstream to crew, talent and others on-set to preview a shot's look after color grading in post. The director or client can also review a scene on the monitor's widely visible display, or simultaneously on another monitor, downstream. Only SmallHD monitors can output video containing an embedded 3D LUT to other monitors and/or recording devices downstream using HDMI, SDI or both.

SD Card Slot Enables Powerful Features

In addition to 3D LUTs, the SD card slot enables importing background plates for use as effects framing guides. SD cards can record nearly unlimited screen captures from the live feed to be used for continuity and more. And it is key to importing JPEGs of background plates that can be overlaid with live video to be able to match angles.

Wireless Remote Compatibility

For hands-off convenience, menus can be operated without reaching for the onboard joystick or back buttons, via the optional wireless remote.



702-BRIGHT

- HDMI & SDI inputs and outputs
- Format cross conversion between the two
- 1920x1080 resolution
- 1000 nit
- Integrated LP-E6/Sony L battery plate

701 LITE

- The benefits of post production LUTs in an affordable, 7" on-camera monitor
- HDMI inputs and outputs only
 - 1280x800 resolution
 - 450 nit
 - Integrated LP-E6/Sony L battery plate



702 LITE

- Premium display quality and image analysis with SDI/HDMI Cross Conversion
- HDMI & SDI inputs and outputs
 - 1280x800 resolution
 - 450 nit
 - Integrated LP-E6/Sony L battery plate

700 SERIES • 702 OLED



OLED SMALLHD STYLE

The 7.7-inch 702 OLED combines the renowned color accuracy and contrast ratio of an OLED display with the feature set and durability of the industry standard SmallHD 702-Bright. The result is a monitor that's ideal on camera or on a director's rig. Able to produce wide color gamut color accuracy, it is an effective must-have tool for DIT's and directors on-set use.

OLED Advantages

The 1280x800 screen has a 191 pixel per inch density. The adjustable backlight can provide up to 300 nits of brightness. Input and output ports for both SDI and HDMI are included, with cross conversion of less than a frame of latency. A joystick and back button provide the control interface, along with a capture button for exporting stills via the full-sized SD card slot.

OLED with Page Builder Benefits

SmallHD's proprietary Page Builder OS enables any number of user-defined monitoring options. In addition, tools such as vectorscopes and waveforms are standard. The exposure assist system supports both ARRI and Spectrum based false color, with built-in IRE guide for reference. The 2x zebra bars can be utilized to warn when reaching a user-defined brightness level. Up to three fully customizable scopes

can be displayed on screen at a time, with highly detailed data analysis. Additionally, this OLED offers five custom preset buttons on the front for quick access to frequently used tools.

Color Management & Easy LUT Loading

Each 702 OLED display is individually color calibrated before leaving SmallHD. What's more, 3D LUT calibration is easily installed with advanced color management solutions like Light Illusion's LightSpace CMS, or SpectraCal's CalMAN. Any 3D LUT can be loaded via SD card using SmallHD's ColorFlow 3D LUT engine.

Rugged & Practical Mounting

Constructed of durable milled aluminum, the 702-OLED provides seven 1/4-20 mounting points, and features an optically bonded Gorilla Glass screen for added durability.

Power Easy

For untethered operation, integrated battery slots for LP-E6 and L-Series batteries are provided. An optional pro battery bracket adds Gold/V-mount accessibility and additional mounting points for wireless systems.



500 SERIES

PROFESSIONAL 5-INCH ON-CAMERA MONITORS & MONITOR EVF COMBOS
These reliable Full HD 5-inch LCD monitors

come in a compact and convenient form factor, and offer an extensive toolset including Waveform. No wonder they are so popular for framing, focusing and exposing your image. For a double whammy, add the EVF attachment and convert the 500 Series monitor to the Sidefinder.





500 SERIES • 501 • 502 • Sidefinder EVF



502 MONITOR

- Full HD resolution
- HDMI/SDI in/out with cross conversion
- A lightweight 7oz

501 MONITOR

- Full HD resolution
- HDMI in/out
- A lightweight 7oz

The 501 and 502 are identical except the 501 offers HDMI in/out, while the 502 offers both SDI and HDMI in/out.



BRIGHT AND SHARP FULL HD

The 5-inch Full HD on-camera displays provide 1920x1080 resolution images, achieving superior sharpness and detail in a cost-effective slimline package. Their 441 pixel-per-inch screen, brightness of 400 nits, and 1500:1 contrast ratio, make them ideal for critical focus.

Optimum Broadcast Color

The 500 Series LCD displays can produce 85% of the NTSC Color Gamut (greater than the REC. 709 color standard and provide a 1500:1 contrast ratio for superior dynamic range.

Processing Power for Format Dexterity

The custom-built processing engine provides the power to make input video resolution and frame rate nearly irrelevant. These monitors instantly analyze the incoming data stream, determine horizontal and vertical resolution and frame rate, then display whatever format has been sent, even when arbitrary. While the 501 has HDMI only, the 502 has SDI and HDMI inputs and outputs standard with cross conversion, allowing HDMI input and SDI output, and vice versa.

Best-in-Class 3D LUTs

The 500 Series monitors can import 3D LUTs via an SD card, to provide on-set previewing in real time. Once applied, the 3D LUT can be viewed on monitors downstream, while at the same time the operator can use other tools from the feature-set.



Page Builder OS for Easy Navigation

SmallHD's streamlined Page Builder operating system is intuitive and simple to operate via the thumb-operated joystick and back button. Tools from the feature set, such as focus or exposure assist screens, can be assigned to the same page together for quick retrieval. Page Builder may be customized to instantly switch between frequently used features. An operator's Page Builder profile can be saved on the SD card.

Wireless Connectivity

The monitor's optional wireless, omnidirectional remote controller lets shooters operate the monitor and its menus wirelessly.

Rugged & Dependable

The 500 Series monitors are housed in an aluminum frame with a rubberized exterior chassis, and ABS plastic front bezel and back battery plate—for protection in the toughest conditions.

Practically Compact

At around 7oz (217g) and small enough to fit in your palm, 500 Series monitors are an attractive option for shooters looking to attach the display straight to the camera. With several robust mounting options and overall durability, they are also a practical solution for use on a gimbal or shoulder rig—without adding bulk.

Power Options

The back plate of each monitor features slots to hold two rechargeable Canon LP-E6 batteries. Alternately they can be powered via a D-tap using the SmallHD DCA5 power adapter plate. Their power input range is 6-9V DC.



SIDEFINDER THE ULTIMATE HD VIEWFINDER

The true high-definition Sidefinder combination electronic viewfinder (EVF) and 5-inch, fold-out 1920x1080 display field monitor is both the highest resolution EVF and 5-inch, on-camera monitor—in one.

Combines 5-inch Monitor & Optical Loupe

A union between either the 501 or 502 Monitor with SmallHD's custom-designed EVF Loupe, the Sidefinder works as a feature-rich professional field monitor and an EVF. Its ample screen provides more than double the viewing area of ordinary systems. With a patent-pending folding design, the unit offers a small and convenient footprint. This shape allows operators to slide the viewfinder close to the camera, eliminating a common source of neck strain during shoulder-mounted operation.

In-Viewfinder Exposure & Focus Tools

A key part of the Sidefinder system is the Joystick Button that lets shooters experience touchscreen versatility without the downsides. Aside from being extremely responsive, using the Joystick Button doesn't leave fingerprints on the screen. An included remote Joystick Button can be placed on the tripod panhandle, camera rig or stabilizer—in a handy location.

SDI & HDMI, HDMI Only Versions

The Sidefinder comes in two versions both with the many features of the 500 Series field monitors.

The Sidefinder 502 comes with both SDI and HDMI connectors and the 501 features HDMI only. Or the EVF may be purchased separately.



500 & 700 SERIES

Specifications

“Sometimes it’s tough to see what you’re doing when you’re in a field with no shade and a small production with no video village tent. But when my ACs set up the 702-Bright in the handheld Teradek rig, we actually had to turn the backlight down a bit when it was too bright in the morning light.”

Matthew Macar, Cinematographer



	501	502	701 Lite	702 Lite
Brightness	400 nits	400 nits	450 nits	450 nits
Contrast Ratio	1500:1	1500:1	645:1	645:1
Pixel Density	441 pixels / inch	441 pixels / inch	216 pixels / inch	216 pixels / inch
Resolution	1920 x 1080	1920 x 1080	1280 x 800 (1280 x 720 Active)	1280 x 800 (1280 x 720 Active)
Refresh Rate	60Hz	60Hz	60Hz	60Hz
Color Gamut	85% Rec. 709	85% Rec. 709	70% Rec 709	70% Rec 709
Color Depth	8 bit	8 bit	8 bit	8 bit
Monitor Viewing Angle	179°	179°	179°	179°
Power Input Range	6.0-8.4 VDC	6.0-8.4 VDC	6.0 - 8.4 VDC	6.0 - 8.4 VDC
Power Options	LP-E6 style	LP-E6 style	LP-E6/Sony L style	LP-E6/Sony L style
Dimensions	2.9" x 5.8" x .8" 7.4cm x 14.7cm x 2cm	2.9" x 5.8" x .8" 7.4cm x 14.7cm x 2cm	4.2" x 7.6" x .9" 10.7cm x 19.2cm x 2.4cm	4.2" x 7.6" x .9" 10.7cm x 19.2cm x 2.4cm
Weight	7 oz (198g)	7.4 oz (209g)	11 oz (311g)	11 oz (311g)
Input Connections	HDMI	HDMI, SDI	HDMI	HDMI, SDI
Output Connections	HDMI	HDMI, SDI	HDMI	HDMI, SDI
Cross Conversion	No	Yes	No	Yes
Screen Diagonal	5"	5"	7"	7"

	702-Bright	702 OLED
Brightness	1000 nits	400 nits
Contrast Ratio	1000:1	11000:1
Pixel Density	323 ppi	191 ppi
Resolution	1920 x 1080	1280 x 800
Refresh Rate	60Hz	60Hz
Color Gamut	85% NTSC	Wide Color Gamut
Color Depth	8 bit	8 bit
Monitor Viewing Angle	179°	160°+
Power Input Range	6.0 - 8.4 VDC	6.0 - 8.4 VDC
Power Options	LP-E6/Sony L Style	LP-E6/Sony L
Dimensions	4.2" x 7.6" x .9" 10.7cm x 19.2cm x 2.4cm	5.2" x 8.2" x 1.1" 13.2cm x 20.8cm x 2.8cm
Weight	17 oz (481g)	26 oz (737g)
Input Connections	HDMI, SDI	HDMI, SDI
Output Connections	HDMI, SDI	HDMI, SDI
Cross Conversion	Yes	Yes
Screen Diagonal	7"	7.7"

	503 UltraBright	703 UltraBright
Brightness	2200 nits	2500 nits
Contrast Ratio	1000:1	1200:1
Pixel Density	443 ppi	323 ppi
Resolution	1920 x 1080	1920 x 1080
Refresh Rate	60Hz	60Hz
Color Gamut	70% NTSC	70% NTSC
Color Depth	10 bit	10 bit
Monitor Viewing Angle	170° Typical	178° (CR<10)
Power Input Range	12-34 VDC (LEMO)	12-34 VDC (LEMO)
Power Options	LEMO power in	LEMO power in
Dimensions	3.35" x 6.16" x 1.13" 8.5cm x 15.6cm x 2.8cm	4.88" x 8.83" x 1.13" 12.4cm x 22.4cm x 2.8cm
Weight	15.2 oz (431g)	26.4 oz (748g)
Input Connections	HDMI, 2x SDI	HDMI, 2x SDI
Output Connections	HDMI, SDI	HDMI, SDI
Cross Conversion	Yes: HDMI - SDI & SDI - HDMI	Yes: HDMI - SDI & SDI - HDMI
Screen Diagonal	5"	7"

Specifications subject to change without notice.

PRODUCTION MONITORS

Specifications

“As a Director of Photography setting a look is one of the most important things. The 1703 P3 color science is incredible and I see exactly what I'm capturing. Working with directors you want to show them this is the look you are setting. With an ACES LUT applied to the monitor you can show them 100% color match up to a Christie 4K projector.”

Colt Seman, Cinematographer



1303 Studio

1303 HDR

1703-P3

1703 Studio

1703 HDR

2403 Studio

2403 HDR

3203 HDR

	1303 Studio	1303 HDR	1703-P3	1703 Studio
Brightness	400 nits	1500 nits	450 nits	250 nits
Contrast Ratio	1500:1	1140:1	1500:1	700:1
Pixel Density	170 ppi	170 ppi	133 ppi	128 ppi
Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz
Color Gamut	100% Rec. 709	100% Rec. 709	100% DCI-P3	100% Rec. 709
Color Depth	10 Bit	10 Bit	True 10 bit	8 bit
Monitor Viewing Angle	178°	178°	179° vert & horiz	70° left/right; 50° Up; 70° Down
Power Input Range	12-34 VDC	12-34 VDC	12-34 VDC	12-34 VDC
Power Options	4-pin XLR in, 2-pin LEMO out	4-pin XLR in, 2-pin LEMO out	4-pin XLR in, 2-pin LEMO out	4-pin XLR in, 2-pin LEMO out
Dimensions	9" x 13" x 2.9" 22.9cm x 33cm x 7.3cm	9" x 13" x 2.9" 22.9cm x 33cm x 7.3cm	11.7" x 17" x 2.5" 30cm x 43cm x 6.3cm	11.7" x 17" x 2.5" 30cm x 43cm x 6.3cm
Weight	8 lb (3.6kg)	8 lb (3.6kg)	12 lb (5.4kg)	12 lb (5.4kg)
Input Connections	HDMI, 2x SDI	HDMI, 2x SDI	HDMI, 2x SDI	HDMI, 2x SDI
Output Connections	HDMI, 2x SDI	HDMI, 2x SDI	HDMI, 2x SDI	HDMI, 2x SDI
Cross Conversion	Yes: HDMI - SDI & SDI - HDMI	Yes: HDMI - SDI & SDI - HDMI	Yes: HDMI - SDI & SDI - HDMI	Yes: HDMI - SDI & SDI - HDMI
Screen Diagonal	13"	13"	17"	17.25"

	1703 HDR	2403 Studio	2403 HDR	3203 HDR
Brightness	1100 nits	250 nits	1000 nits	1500 nits
Contrast Ratio	700:1	3000:1	3000:1	5000:1
Pixel Density	128 ppi	93 ppi	93 ppi	69 ppi
Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Refresh Rate	60 Hz	60 Hz	60 Hz	60 Hz
Color Gamut	100% Rec. 709	100% Rec. 709	100% Rec. 709	100% Rec. 709
Color Depth	8 bit	10 bit	10 bit	10 bit
Monitor Viewing Angle	70° left/right; 50° Up; 70° Down	178°	178°	178°
Power Input Range	12-34 VDC	12-34 VDC	12-34 VDC	12-34 VDC
Power Options	3-pin Grounded AC, Dual XLR in, 2-pin LEMO out	3-pin XLR, 3-pin Grounded AC	3-pin XLR, 3-pin Grounded AC	3-pin XLR, 3-pin Grounded AC
Dimensions	11.7" x 17" x 2.5" 30cm x 43cm x 6.3cm	14.5" x 22.5" x 2.5" 37cm x 57cm x 6.3cm	14.5" x 22.5" x 2.5" 37cm x 57cm x 6.3cm	19" x 30" x 3" 48.3cm x 76.2cm x 7.6cm
Weight	12 lb (5.4kg)	19 lb (8.6kg)	19 lb (8.6kg)	39.5625 lb
Input Connections	HDMI, 2x SDI	HDMI, 2x SDI	HDMI, 2x SDI	HDMI, 2x SDI
Output Connections	HDMI, 2x SDI	HDMI, 2x SDI	HDMI, 2x SDI	HDMI, 2x SDI
Cross Conversion	Yes: HDMI - SDI & SDI - HDMI	Yes: HDMI - SDI & SDI - HDMI	Yes: HDMI - SDI & SDI - HDMI	Yes: HDMI - SDI & SDI - HDMI
Screen Diagonal	17.25"	23.8"	23.8"	32"

Specifications subject to change without notice.