

SPECIFICATION SHEET

CODE. MON-703U



Display

Panel Type	LTPS LCD
Size Diagonal	7.02
Resolution	1920 x 1080
Pixel Density (PPI)	323 <i>ppi</i>
Aspect Ratio	16:09
Active Area	7.02
Brightness	2200 <i>nits</i>
Contrast	1200:01:00
Color Gamut	100% Rec 709
Color Depth	10-Bit Color Intelligence Engine
Viewing Angle	178 Degrees (CR<10)
Backlight Type	White LED
Adjustable Backlight	Yes

Input Signal Types/Formats

3G-SDI	YCC 4:2:2 @ 10-bits: 1080p60, 1080p59.94, 1080p50, 1080i60, 1080i59.94, 1080i50
HD-SDI	YCC 4:2:2 @ 10-bits: 1080p30, 1080p29.97, 1080p25, 1080p24, 1080p23.98, 1080psf30, 1080psf29.97, 1080psf25, 1080psf24, 1080psf23.98, 1080i60, 1080i59.94, 1080i50, 720p60, 720p59.94, 720p50, 720p30, 720p29.97, 720p25, 720p24, 720p23.98
SD-SDI	YCC 4:2:2 @ 10-bits: 480i29.97, 576i25

HDMI	YCC 4:2:2 @ 8 bits, 8/10/12 bit color in RGB & YCC 4:4:4: 1080p60, 1080p59.94, 1080p50, 1080p30, 1080p29.97 1080p25, 1080p24, 1080p23.98, 1080i60, 1080i59.94, 1080i50, 1080i30, 1080i29.97, 1080i25, 720p120, 720p119.88, 720p100, 720p60, 720p59.94, 720p50, 720p30, 720p29.97, 720p25, 720p24, 720p23.98, 480p120, 480p119.88, 480p60, 480p59.94, 576p100, 576p50, 480i240, 480i239.76, 480i120, 480i119.88, 480i60, 480i59.94, 480i30, 480i29.97, 480i24, 480i23.98, 576i200, 576i100, 576i50, 576i25
Audio	HDMI & SDI - Monitor through Speakers in Front Bezel or Through Headphone Jack - Metering up to 8 channels

Output Signal Types/Formats

3G-SDI	YCC 4:2:2 @ 10-bits: 1080p60, 1080p59.94, 1080p50, 1080i60, 1080i59.94, 1080i50
HD-SDI	YCC 4:2:2 @ 10-bits: 1080p30, 1080p29.97, 1080p25, 1080p24, 1080p23.98, 1080psf30, 1080psf29.97, 1080psf25, 1080psf24, 1080psf23.98, 1080i60, 1080i59.94, 1080i50, 720p60, 720p59.94, 720p50, 720p30, 720p29.97, 720p25, 720p24, 720p23.98
SD-SDI	YCC 4:2:2 @ 10-bits: 480i29.97, 576i25
HDMI	YCC 4:2:2 @ 8 bits, 8/10/12 bit color in RGB & YCC 4:4:4: 1080p60, 1080p59.94, 1080p50, 1080p30, 1080p29.97 1080p25, 1080p24, 1080p23.98, 1080i60, 1080i59.94, 1080i50, 1080i30, 1080i29.97, 1080i25, 720p120, 720p119.88, 720p100, 720p60, 720p59.94, 720p50, 720p30, 720p29.97, 720p25, 720p24, 720p23.98, 480p120, 480p119.88, 480p60, 480p59.94, 576p100, 576p50, 480i240, 480i239.76, 480i120, 480i119.88, 480i60, 480i59.94, 480i30, 480i29.97, 480i24, 480i23.98, 576i200, 576i100, 576i50, 576i25
Audio	HDMI & SDI - Incoming Audio Stream is sent downstream via HDMI or SDI connection

Connector Type

SDI	1x 3g Input, 1x 3g Output
HDMI	1x Input, 1x Output
Component	Not Supported
Composite	Not Supported
Audio	1x 1/8" Headphone Jack
Power In	2x Locking LEMO 2-pin Connectors: 1 for Power Input, 1 for Power distribution to an external device (Requires Power Input)
USB	1x Micro USB

Controls

Primary Control Interface	Joystick Navigation, Dedicated Back/Power Button. 5 Additional User Assignable Function Buttons
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Data I/O

Storage	SD Card for LUTs, Captured Images, Image Overlays, Firmware Upgrades, Profile Saving.
USB	USB port supports storage devices for LUTs, Captured Images, Image Overlays, Profile Saving.

Power

Connector Type	2x Locking LEMO 2-pin Connectors: 1 for Power Input, 1 for Power distribution to an external device (Requires Power Input)
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Voltage	<i>With DV Battery Plate: 6.0 - 8.4V 7.2V Nominal With High Voltage Battery Plate: 12 - 34V 14.4V Nominal With Lemo Input: 12 - 34V Max</i>
Power Consumption	<i>TBD</i>
Recommended Power Supply	<i>Included</i>
Overload Protection	<i>Yes</i>
Output Voltage (VDC)	<i>Mirrors Input Voltage</i>

Environmental

Compliance	<i>FCC, IC, CE, RoHS</i>
Operating Temperature	<i>0 - 100 degrees F</i>
Storage Temperature	<i>-4 - 120 degrees F</i>
Screen Protection	<i>AR Coated Gorilla Glass Optical Bonding on Panel</i>
Height	<i>4.88" (12.40cm)</i>
Width	<i>8.38" (21.29cm)</i>
Depth/Length	<i>1.13" (2.87cm)</i>
Weight (Item Only without battery)	<i>26.4oz (748.43g)</i>
Weight (Packaged)	<i>37oz (1048.93g)</i>
Mount Points	<i>1 ¼"-20 Thread on Top of Monitor, 1x ¼"-20 Thread on Bottom of Monitor</i>

Software

Pixel Zoom (type)	<i>2x & 4x Zoom with smooth pan via joystick</i>
Frame Guides	<i>Yes: Preset Aspect Ratios & Customizable</i>
DSLR Scale	<i>Canon 5DMkii & Canon 7D</i>
Custom Scale	<i>Yes (Underscan Only)</i>
Anamorphic De-Squeeze	<i>Yes: 1.33x, 1.5x, 1.66x, 2.0x</i>
Image Rotate(Manual/Automatic)	<i>Yes - Automatic or Manual Control</i>
Image Flip (Manual/Automatic)	<i>Yes - Automatic or Manual Control</i>
Cross Conversion	<i>Yes: HDMI → SDI & SDI → HDMI</i>
Focus Assist (Colors)	<i>Yes - User Adjustable Color Style and Intensity</i>
Peaking	<i>Yes - User Adjustable Intensity</i>
False Color	<i>Yes - Rainbow & Arri Style</i>
Zebra	<i>Yes - Dual - User Configurable</i>
Waveform	<i>Yes - Luma & RGB Style, Fully User Customizable w/ Region of Interest Highlighting</i>
Vectorscope	<i>Yes</i>
RGB Parade	<i>Yes - Fully User Customizable</i>
Histogram	<i>Yes - Luma & RGB Style</i>
Image Capture	<i>Yes - With Dedicated Button</i>
Custom LUTS	<i>Yes - Loadable as Looks on Pages or as Systemwide Color Calibration via the settings menu</i>
LUT Downstream	<i>Yes - Available on SDI 1 or HDMI Out. Applied on Output Preview Page.</i>
LUT Import	<i>via SD Card or USB Storage Device</i>
Image Overlay	<i>Yes with Opacity Slider and Blink Setting</i>

Create Your Film Shooting Story with SmallHD

Firmware

Compatible with 1300-1700-2400-3200 Firmware VX.x and later. Firmware Version to support 503UB & 703UB Does not yet exist. Version number not yet known.

Audio Meters

Yes - HDMI & SDI up to 8 channel