

plura®

FTM-043-3G™

Powerful Broadcast 4.3" Field Testing Monitor with Audio & Video Test Generator - 3G Ready



FTM-043-3G Unit Dimensions:
3.5"H x 3.5"D x 8.5"W

3Gb/s **HDTV**

The FTM-043-3G is ideal for Wide-Ranging Applications:

TV Trucks I/O • Flypacks • In-house Field Testing • Backstage • Booth Kits • Stadiums • Campus (College and Corporate)

Key Features

- Compact filed monitoring station with 4.3" LCD Screen - 3G Ready!
- Cutting edge De-interlacing and Scaling Technology
- 1 x Auto-detect HD-SDI, SDI with active loop (3Gb/s / 1.485Gb/s / 270Mb/s)
- 2 x HD/SD Video TEST OUT (3Gb/s / 1.485Gb/s / 270Mb/s)
- 1 x Analog Video NTSC, PAL with active loop
- 1 x Analog Video TEST OUT (NTSC - PAL)
- 1 x Analog Audio 1 K tone TEST OUT
- 1 x AES Audio with active loop
- 1 x AES Audio, 1/2, 3/4, 5/6, 7/8 Group TEST OUT
- Built In Mono 1W Speaker
- 16 CH Audio Metering Display
- F1 & F2 Programmable Presets
- Display LTC & DVITC time code with line select
- Analog & Embedded Audio Input, Digital Audio Decoding
- 15 Various Test Patterns with different Motion adjustments
- UMD, Mono/Blue Only display, GPI & RS232 Remote Control
- Intuitive OSD Display, Graphic based, 6 Languages (UNICODE System)
- OPTIONS: Battery Mount (Anton Bauer, V-mount), Rack mount, Carry case & Hood Handle.

Descriptions

The FTM-043-3G is a compact & cost effective field monitoring device which supports the new 1080p 3Gb/s HD, SD and analog formats. The FTM-043-3G has the ability to generate Video signals in HD: 3Gb/s, 1.5Gb/s, SD: 270 Mb/s & Composite and Analog Audio 1 K Tone simultaneously. The FTM-043-3G features 4.3" LCD Screen and supports HD, SD, Composite Analog video inputs, Embedded Audio on HD and SD and Analog Audio. The FTM-043-3G can decode embedded audio on 3.5mm front Jack and display 16CH Audio Metering.

Unprecedented Innovation

Testing and monitoring in multiple standards is an hourly occurrence on any television production or engineering environment, not only on the load-in, but on day to day changes that pop up. You need to be able to see and hear multiple standards with a minimal piece of hardware. The FTM-043-3G allow users to have an all-in-one solution for quickly identifying signals, their standards, and other data embedded on the digital signal. Additionally, users are able to test legacy composite signals coming from Teleprompters or even down conversions been created for consumer TVs or web streaming servers. The on-board audio capabilities also allow users to leave the Q-box behind for quick audio testing applications. From the TV trucks you have to feed projectors, web servers, LED screens, and many other devices - the FTM-043-3G allows users to confirm signals quickly and accurately while simultaneously generating test signals for comparison and troubleshooting.

Unparalleled Portability

Due to its compact size 3.5" x 8.5" & 3.0", ½ 2RU frame; the size of the package is extraordinary. Front facing connectors make the device convenient both in the field and in the rack. The on-screen overlay of embedded information saves a lot of time. The combination of both multi-standard digital and analog input options is an excellent feature.

Unmatched Versatility

The FTM-043-3G has put into 1 device what previously took 3 devices to achieve, replacing both a SD generator, HD generator, and a Q-box for audio applications. The FTM-04-3G means you can go from the patch bay to the IO panel to the venue with 1 device for testing both incoming and outgoing signals. Being able to see and confirm the signal and the format and then being able to transmit a test pattern in multiple standards and multiple formats is a huge win for the engineering work in a mobile truck or any Television facility. The FTM-043-3G unit is ideal in patch bay, IO panel, and tool bag on any show or troubleshooting you may encounter.



(2) FTM-043-3G units in Rack Mount - 2RU



"4.3" LCD Screen supports 1080p 3Gb/s HD, SD, Composite Analog video, AES & Analog Audio inputs"



FTM-043-3G unit in use.

FTM-043-3G OPTIONS:

Battery Mounts, Rack mount, Hard Carry Case



V- Mount Option



with Anton Bauer Mount



Custom Hood Handle Option



Single & Dual Rack Mounts

FTM-043-3G Specifications		
Input	HD/SD Input	1EA, HD/SD Serial Digital, 3G/1.485G/270M, BNC Jack Analog Input 1EA, Composite, BNC Jack
	Analog Input	1EA, Composite, BNC Jack
Test Output	HD/SD Output 1	1EA, 3Gb/s, 1.485Gb/s, 270Mb/s BNC Jack
	HD/SD Output 2	1EA, 3Gb/s, 1.485Gb/s, 270Mb/s, BNC Jack
	Video Output	1EA, NTSC, PAL BNC
Video Input Level	Composite	1.0Vpp (With sync)
Digital Signal Format	SMPTE 428.1M	2048x1080P(24/25)
	SMPTE-425M(3G)	1920x1080P(50/60)
	SMPTE-260M	1920x1035i(60/59.94)
	SMPTE-292M	1920x1080i (50/59.94/60)
		1920x1080P (30Psf/25Psf/24Psf/30/25/24)
	SMPTE-372M	1080P(30/29.97/25/24/23.98)
		1080i(29.97/25/24/23.98)
		720P(60/59.94/50)
	SMPTE-296M	1280x720P (50/59.94/60)
Audio Input	Input Line	Analog Stereo
	AES	Digital Audio - 6 MHz
	SDI Audio Input	Embedded HD/SD-SDI Audio
Audio Output	Speaker Output	Internal Speaker 1W(MONO OUT)
	Head Phone Output	1EA (Phone Jack)
	AES	Digital Audio - 6 MHz
	Test Output Tone	1K TONE
I/O Port	Update	RJ-45 8 pin port for upgrade
	Upgrade Port	D-sub 9 pin female for software upgrade
LCD	Size	4.3"
	Aspect Ratio	16:9
	Resolution	480 x 272
	Color	RGB Color 16.7 M colors
	Viewing Angle (deg)	Horizontal: 160(Typ.), Vertical 160
	Luminance of White	300 cd/m2
	Contrast	800 : 1 (Typical)
	Display Area (HXV)	95.04(mm) x 53.856(mm)
Response Time	Tr=17ms / Tf=15ms	
Power Requirements	DC 12V	
Power Consumption	1.25A/15W	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	
Dimension (WxHxD) w/o Box	(216 x 89 x 76) mm - (8.5 x 3.5 x 3) Inch	
Packing Dimension (WxHxD)	(350 x 260 x 270) mm - (13.77 x 10.23 x 10.63) Inch	
Accessories	Power Cord	
Options	Rackmount - Battery Mount, Hard/Soft Carry Case	

Please note that the technical details shown here are provisional specifications (as of July, 2015) The information is subject to change without notice.



Hard Carry Case Option

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