24" Reference OLED Monitor
TXM-243T3G

TXM-243T3G is the highest class reference monitor which is compliant to all the requirements of EBU Grade 1 standard. This monitor features full 12 bit video processing and 24" 10 bit OLED panel capable of reproducing over 1.07 billion colors on screen. And, this unit delivers super shap motion pictures by high contrast ratio, true black and accurate color representation.

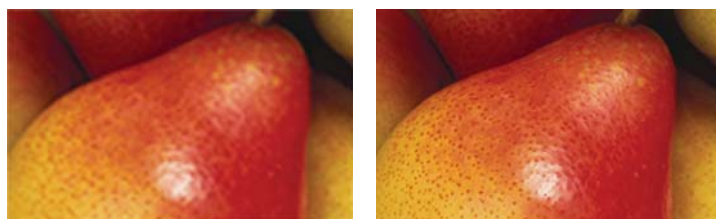*24" OLED*

TXM-243T3G

BON

True 10-bit Display

10-bit display means more than 1 billion colors can be shown on the screen at once. This is 64 times the numbers of colors supported by standard 8-bit display, and virtually eliminates color and greyscale banding.
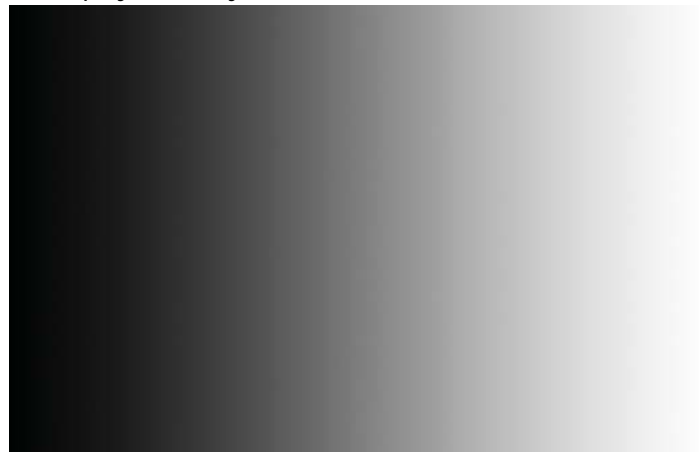
8 bit Panels (6bit+FRC 2bit)   10 bit Panels (8bit+FRC 2bit)

12-bit Video Processing Engine

In order to reproduce true 10-bit smooth gradation, a cutting-edge 12-bit video processor is incorporated. It greatly increase gradation levels, resulting in much smoother and more natural images. And, it allows images to be reproduced with high precision for display accuracy.
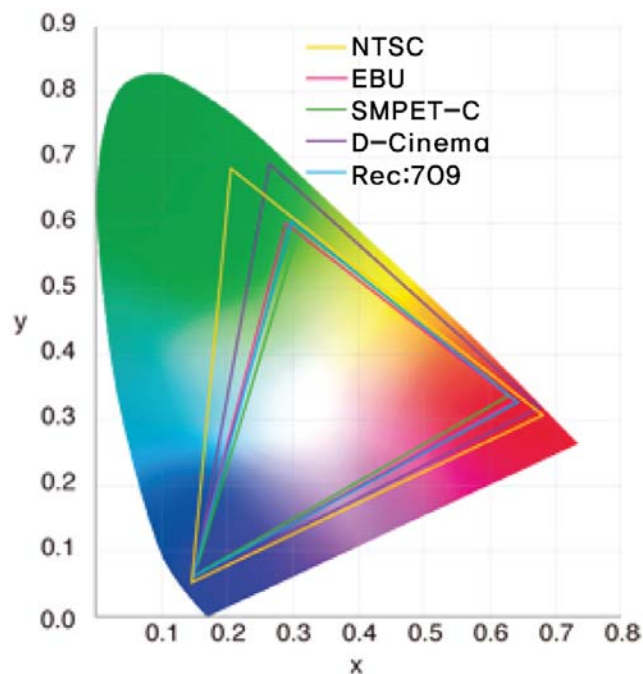

Superb Uniformity

By a strict uniformity correction process and OLED technology, TXM-243T3G offers superb uniformity across all signal levels at every point of the screen.

True Multi-Format Support

This monitor supports all the standard of signals including NTSC, PAL, SECAM and all SD/HD digital formats. This includes PsF formats as standard feature and support of 1080p/50,60 and 4:4:4 sources over Dual-Link and 3G.

3D LUT

BON's new 3D LUT allows for previewing how colors will be reproduced on the final film print. Users can select from color gamuts such as NTSC, EBU, BT.709, SMPTE-C, D-Cinema.

3rd Party 3D LUT Import and Export

TXM-243T3G enables you to upload 3D LUT file into the monitor and display the transformed image on the screen. And, you can export the present active 3D LUT in many other formats.
Light Illusion CMS software is necessary for this function.

Quick Response with Blur-free Motion

The organic emitters of OLED panel instantly react to the change of current when the video level is changed. It allows the excellent quick response characteristics can be achieved on fast-motion images. This blur-free fast response benefits a variety of applications and scenes such as sports broadcasting, monitoring of camera panning, and text scrolling.

Adjustable Gamma

Gamma value is adjustable from 1.0 to 3.0 as user's preference to monitor in the dark area of the picture. Any pictures taken in either light or dark environment can be easily watched or analyzed.

Gamma 1.8   Gamma 2.2

True Black

OLED screen enables deep blacks to be accurately displayed and the black portion of an image is not degraded.

PiP, PaP, Blending

BXM-243T3G and all the other BXM monitors have various and upgraded duel-screen modes.
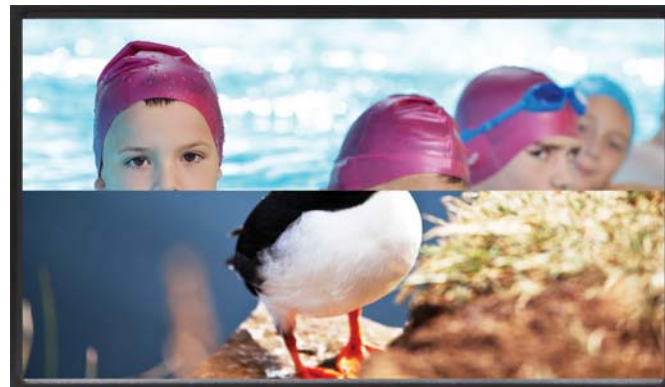
PiP(Picture-in-Picture)

Blending

PaP(Picture-and-Picture)

Other features

- I/P Conversion for Motion Response
- Focus Assistance
- False Color (SDI Only)
- Fast Motion Mode
- Firmware Update via USB Flash Memory
- UMD/IMD Mode Display
- H/Vdelay
- Pixel to Pixel
- De-embedded 8~16ch Audio Level Meter
- Audio Phase Meter
- Rack Mount & VESA Mount (Option)
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, etc.)
- External Remote Control and Update via Ethernet
- Copying the preset data to another monitor by USB
  memory(menu settings etc.)
- Waveform
  (SDI/HDMI/DVI/YPbPr, supporting parade mode)
- Time Code Display (ATC_HD-SDI,DVITC_SD-SDI,
  except 3G Level B)
- R,G,B, and White Internal Patterns Display for
  Color Test
- Vector scope (SDI/HDMI/DVI/YPbPr)
- Exposure Range Check
- Gen-lock(video synchronization)
- Freeze Frame
- AFD & V-CHIP display (SDI Only)
- Zero/Under/Over Scan
- Blue/Mono
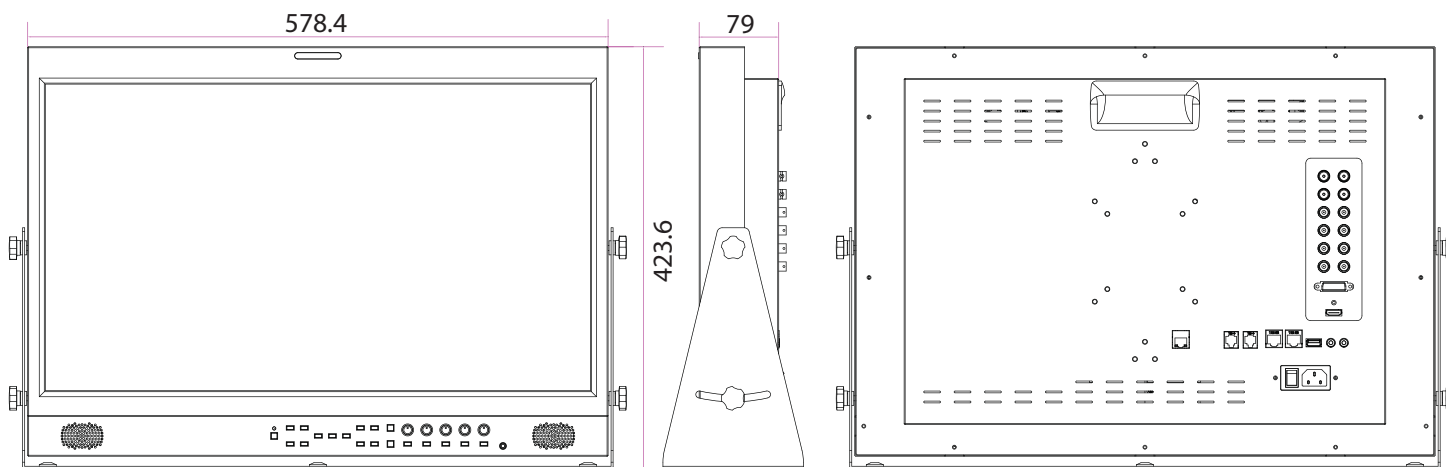- Closed Caption (CEA-608/708)
- 3 Color TALLY Lamp

Multiple Interfaces Support

BXM-243T3G includes 2 x SDI Input/Loopout,
3xAnalog Input/Loopout, 1 x DVI-D Input,
1 x HDMIInput. And, there is 1 x External Sync Input/Loopout,
which Grade 1 monitor usually has. And, Ethernet portenables
you to control all the functions and updatefirmware remotely.

Dimensions

Dimensions : 578.4 x 423.6 x 77.5cm(with Stand)   Weight: 10kg

Specifications

OLED

Size	24.5"
Resolution	1920 x 1080
Pixel Pitch	0.283mm
Color	10bit
Viewing Angle(deg)	178(H), 178(V)
Luminance of White	400 cd/m²
Contrast	5000 : 1
Display Area (H x V)	543.4 x 305.6mm

Input

2 x BNC	HD/SD-SDI, 1.485G/270M
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x HDMI	HDMI (with HDCP v.1.1), 19pin Female
1 x DVI	DVI-I, 24pin, Female
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p

Output

2 x BNC	SDI-1/2 Active Loop Output
3 x BNC	Analog(YPbPr/CVBS/S-Video/RGB)
1 x BNC	External Sync, Black Burst & Tri-sync, 1.0Vp-p

Analog Input Level

Composite	1.0Vp-p(with sync), NTSC/PAL
YC(S-Video)	Y :1.0Vp-p, C:0.286Vp-p
Component(Y/Pb/Pr)	Y :1.0Vp-p, Pb :0.7Vp-p, Pr :0.7Vp-p
Component (R/G/B)	G :1.0Vp-p(with Sync), B :0.7Vp-p, R :0.7Vp-p
PC-RGB,Sync Level	R, G, B : 0.7Vp-p, H/V Sync : 4V ± 1Vp-p

Input Signal   Format

SMPTE 425M AB	Level A MS1, MS2, MS3, MS4 Level B MS1, MS2, MS3, MS4
SMPTE 372M	Dual HD-SDI YCbCr (4:2:2), 1080p Dual HD-SDI YCbCr/RGB (4:4:4), 1080i, 1080p, 720p
SMPTE 274M/292M	1080i (60/59.94/50) 1080p(30/29.97/25/24/24sF/23.98/23.98sF)
SMPTE 296M	720p(60/59.94/50)
SMPTE 260M	1035i(60/59.94)
SMPTE 125M/259M	480i(60/59.94), 576i(50)
2K, SMPTE 428M	2048 x 1080p(24/24sF/23.98/23.98sF)
ITU R-BT.656	576i(50)
HDMI	~ 1080p(60)
DVI	~ 1080p(60)

Audio In / Out

1 x Phone Jack In	Line In(Stereo)
2 x Phone Jack Out	Line Out(Stereo), H/P Out(Front, Stereo)
2 x Speaker Out	2W+2W, Stereo

General

1 x Ethernet	Control/Update, GPI-7 Port, RJ-45P Jack
2 x GPIO	GPI-7 Port, RJ-45P Jack
2 x Serial	RS-422, RJ-11P Jack
1x USB	For firmware update
Power Requirements	AC(100-230V, 50/60Hz)
Power Consumption	TBD
Operating Temperature	0°C ~ 40°C(32°F~104°F)
Operating Humidity	20% ~ 80% RH
Accessories	Power Cable / Manual(CD) / Cleaner
Option	Rack Mount Kit / WALL Bracket / Handle / Carrying Case

* Specifications are subject to change without prior notice.