

plura®

LCM-3G Series

Affordable General Use Broadcast Monitor

7" 9" 19" 23" 32" 47"

3Gb/s

HDTV



LCM-119-3G



LCM-132-3G

LCM-147-3G and LCM-182-3G (Not Shown)



LCM-123-3G



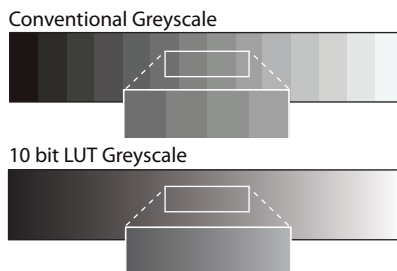
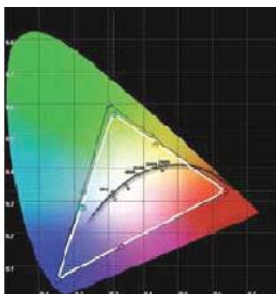
LCM-207-3G & LCM-307-3G (Quadruple 4" Input Displays)



LCM-209-3G (Quadruple 5" Input Displays)

COST EFFECTIVE MULTI FORMAT 3G HD-SDI BROADCAST MONITOR WITH DUAL DISPLAY AND (PIP) PICTURE IN PICTURE CAPABILITY.

LCM Series consists of high quality HD LCD monitors, specifically designed for use in Broadcast environment ensuring accurate color reproduction in accordance with SMPTE, EBU, REC 709 Broadcast Standards. The standard calibration feature enables gamma, color temperature and white luminance level adjustments to meet all Broadcast standards. The LCM series calibration tool provides 10 bit look up table (LUT) (1024 steps of grayscale)



EBU-3325 TECH, ITU-R BT. 709, SMPTE, DICOM

LCM-3G Series Product Highlights:

- LCM-207-3G, 2 x 7" 800 x 480 - 8 bit LED Panels
- LCM-307-3G, 2 x 7" 1024 x 600 - 8 bit LED Panels
- LCM-209-3G, 2 x 9" 800 x 480 - 8 bit LED Panels
- LCM-119-3G, 19" 1366x768 - 8 bit LED Panel
- LCM-123-3G, 23" 1920x1080 - 8 bit LED Panel
- LCM-132-3G, 32" 1920x1080 - 8 bit LED Panel
- LCM-147-3G, 47" 1920x1080 - 8 bit LED Panel
- 3Gb/s ready - 1080/60P
- 2 x Auto-detect with active loops (3Gb/s ~ 1.485Gb/s ~ 270Mb/s)
- Complies with EBU-2330 TECH, SMPTE-C and ITU-R BT.709 Standards
- (ICAC) - Plura Intelligent Connection for Alignment & Calibration
- RGB, YUV, Y/C, Composite, UXGA, DVI & HDMI(DHCP)
- Cutting edge De-interlacing and Scaling Technology
- Fast Response Time for high motion video
- 12 bit Digital Signal Processing
- 178° Viewing Angle Display
- Color Temperature – User adjustable (11000K TO 3200K)
- Various and User defined Markers Display, Safe Area in HD & SD
- Picture and Picture (PaP), Picture in Picture (PiP) display / Blend
- Third-party Tally systems support
- Underscan / Overscan / Normal / Zoom
- Internal Test Pattern mode
- Ethernet & Serial Wall Remote Control
- Intuitive OSD Display, Graphic based, 6 Languages (UNICODE System)
- OPTIONS: Rack Mount for (LCM-119-3G)~6RU & (LCM-123-3G)~7RU

PBP/PIP, FREEZE AND ZOOM FUNCTIONS WITH TWO 3G HD-SDI INPUTS

These functions are available with two video side-by-side and picture in picture.



LCM-119-3G



LCM-123-3G



LCM-132-3G

LCM-147-3G
and
LCM-182-3G
(Not Shown)

MULTI-FORMAT SIGNAL

Supports HD/SD-SDI (3GHD-SDI, 1.5 G HD), Composite, Component, VGA, DVI, HDMI with HDCP, RGB and S-Video formats.

SDI INPUT SIGNAL FORMAT:

SMPTE-425M, SMPTE-274M / SMPTE-372M / SMPTE-296M / SMPTE-260M / SMPTE-125M

ETHERNET / SERIAL TALLY SUPPORT

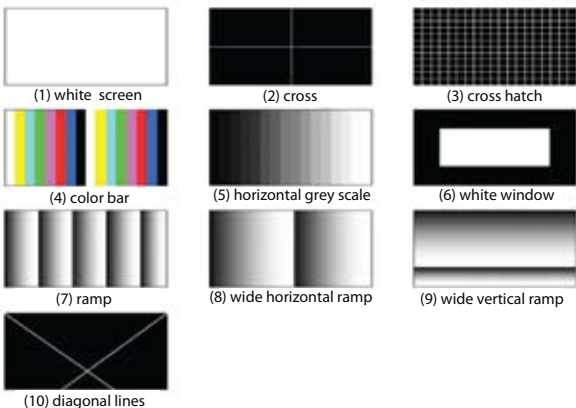
LCM supports and integrates with TSL TallyMan and/or Image Video Tally Systems via Ethernet or Serial protocols.

AUTO CALIBRATION FUNCTION

LCM series offers auto calibration functionality using Freeware tool. All monitors run through an intensive and full calibration process. LCM series offers accurate luminance uniformity levels and confirm with SMPTE-C, EBU-3325 & REC709 color space standards.

INTERNAL PATTERN TEST MODE

Various Internal Test Patterns are available through OSD menu.

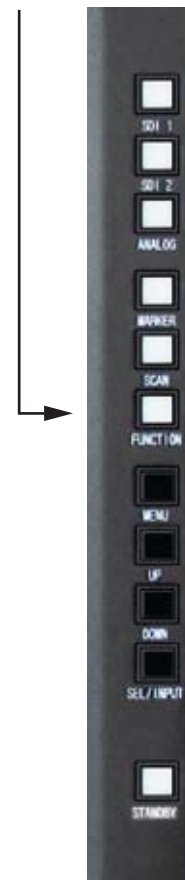
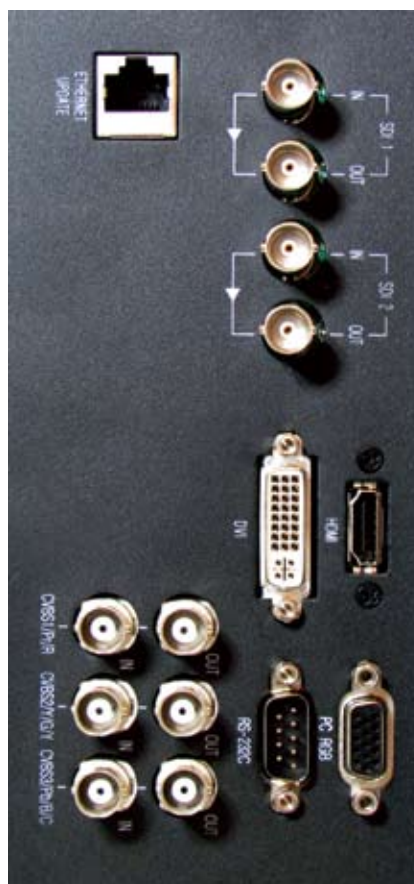


CONNECTIVITY

3G HD-SDI, HDMI, DVI, CCVS, Component, S-Video

FRONT KEYS ON LCM-132-3G (above)

LCM-119-3G, LCM-123-3G

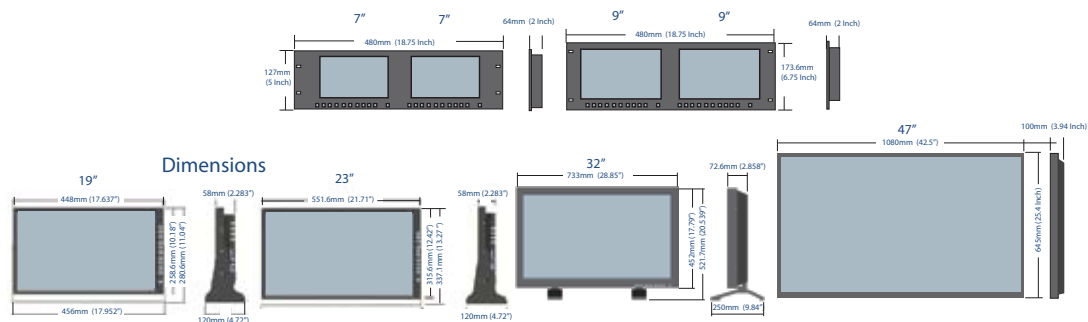


LCM-3G-Series Specifications

| Function | | LCM-207-3G (2x7") | LCM-209-3G (2x 9") | LCM-119-3G (19") | LCM-123-3G (23") | LCM-132-3G (32") | LCM-147-3G (47") |
|------------------------------------|---|--|---------------------|---|-----------------------|--------------------|--------------------|
| INPUT | HDMI | 2 x 1 EA. HDMI In, (With HDCP) 19pin Female | | 1 EA. HDMI In, (With HDCP) 19pin Female | | | |
| | DVI | N.A. | | 1 EA. DVI In, 24 Pin Female | | | |
| | HD/SD-SDI | 2 x 2 EA. 3G HD/SD-SDI | | 2 EA. 3G HD/SD-SDI | | | |
| | D-Sub | N.A. | | 1 EA. RGBHV (VGA) In, 15 Pin Female | | | |
| | 9 P D -Sub | 2 x 2 EA. RS-232 In 9 Pin Male | | 2 EA. RS-232 In 9 Pin Male | | | |
| | BNC | 2 x 3 EA. Component In (Y,Pb,Pr) | | 3 EA. Component In (Y,Pb,Pr) | | | |
| | BNC | 2 x 2 EA. S-Video In (Y,C) | | 2 EA. S-Video In (Y,C) | | | |
| | BNC | 2 x 1 EA. Composite In (CVBS) | | 1 EA. Composite In (CVBS) | | | |
| OUTPUT | HD/SD-SDI | 2 x 2 EA. 3G HD/SD-SDI | | 2 EA. 3G HD/SD-SDI | | | |
| | Analog Loop Output | 2 x 3 EA. 75ΩBNC | | 3 EA. 75 BNC Ω | | | |
| INPUT SIGNAL | DVI | N.A. | | 640 x 480 up to 1920 x 1080. | | | |
| | HDMI | H Freq Range : 22~82KHz, V Freq Range : 55~90Hz, 640 x 480 up to 1920 x 1080. | | | | | |
| | PC-RGB | 640 x 480 up to 1920 x 1080. SOG sync support | | | | | |
| | HD/SDI | 3G Signal | | | | | |
| ANALOG INPUT FORMAT | Composite | 1.0Vp-p, C : 0.7Vp-p | | | | | |
| | S-Video | Y : 1.0Vp-p, C : 0.7Vp-p | | | | | |
| | Component | Y : 1.0Vp-p, Pb : 0.7Vp-p, Pr : 0.7Vp-p | | | | | |
| | D-Sub | 1.0Vpp (with Sync) | | | | | |
| DIGITAL INPUT FORMAT | SMPTE-425M(3G) | 1920x1080P (50/60) | | | | | |
| | SMPTE-292M | 1920x1080i (50/59.94/60) | | | | | |
| | | 1920x1080P (30Psf/25Psf/24Psf30/25/24) | | | | | |
| | 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) | | | | | |
| | SMPTE-259M/C | 480i (59.94) | | | | | |
| | 576i (50) | | | | | | |
| Component | 640 x 480 up to 1920 x 1080p | | | | | | |
| DVI, VGA, HDMI INPUT SIGNAL FORMAT | | VESA Standard | | | | | |
| | | 1920 x 1080 (60P,60i,50i) | | | | | |
| | | 1920 x 1080 (25P,24p,23p) | | | | | |
| I/O PORT | Ethernet Port | RJ-45 8 Pin Ethernet Port, 100Mbps, LAN to Serial Support for Wall control Application | | | | | |
| | Serial Update | Firmware Update. 9Pin D-sub, Remote, Update, Serial Interface | | | | | |
| COLOR COORDINATE | Color space | EBU, SMPTE-C, IBT-709, NTSC, Native | | | | | |
| LCD | Size | 7" (2 x LCD) | 9" (2 x LCD) | 19" | 23" | 32" | 47" |
| | Resolution | 800 X 480 (16:10) | 800 X 480 (16:10) | 1366 X 768 (16:9) | 1920 X 1080 (16:9) | 1920 X 1080 (16:9) | 1920 X 1080 (16:9) |
| | Pixel Pitch (V) x (H) | 0.1905x0.1905mm | 0.2327x0.2475mm | 0.315x0.3315mm | 0.2655x0.2655mm | 0.3637x0.3637mm | |
| | Color | 16.7 M colors | 16.7 M colors | 16.7 M colors | 16.7 M colors | 16.7 M colors | 16.7 M colors |
| | Viewing Angle (deg) | R/L: 140, U/D: 140 | R/L: 140, U/D: 140 | R/L:178, U/D:178 | R/L:178, U/D:178 | R/L:178, U/D:178 | R/L:178, U/D:178 |
| | Luminance of White | 350 cd/m2 | 350 cd/m2 | 300 cd/m | 300 cd/m | 300 cd/m | 450 cd/m |
| | Contrast | 700 : 1 | 700 : 1 | 1000 : 1 | 1000 : 1 | 1000 : 1 | 4000 : 1 |
| | Response Time | 30 msec | 30 msec | 5.5 msec | 10 msec | 6 msec | 6 msec |
| Display Area | 152.4 x 91.44mm | 196.8 x 118.08mm | 430.4x254.6mm | 509.76x286.74mm | 698.4x392.85mm | | |
| POWER REQUIREMENTS | DC 12V/5.0A | | | AC100-230V,50/60Hz | | | |
| ATC FOR RELIABILITY | Automatic Temperature Control 80 x 25mm BLDC Cooling Fan | | | | | | |
| OPERATING TEMPERATURE & HUMIDITY | 0°C ~40°C(32°F~104°F) ,20% ~ 80% RH | | | | | | |
| WEIGHT | 2.494 KG (5.5 lbs) | 3.175 KG (7.0 lbs) | 3.628 KG (8 lbs) | 4.989 KG (11.5 lbs) | 13.608 KG (30 lbs) | 22.6 KG (50 lbs) | |
| DIMENSION (W*H*D*) w/o Box & Stand | 480x127x64mm | 480x173.6x64 mm | 448x258x58mm | 551.6x315.6x58 m m | 733x452x72.6mm | 1080x645x100mm | |
| | 18.75x5.0x2.0Inch | 18.75x6.75x2.0Inch | 17.6x10.18x2.28Inch | 21.7x12.4x2.28 Inch | 28.85x17.795x2.85Inch | 42.5x25.4z3.94Inch | |
| Accessories | Power Cord & Rackmount | | | Power Cord & Desk Stand | | | |

Please note that the technical details shown here are provisional specifications (as of Aug.2019) The information is subject to change without notice.

Dimensions



LCM-3G Series

Affordable General Use Broadcast Monitor

WALL CONTROL SOFTWARE VIA ETHERNET AND/OR SERIAL PROTOCOLS

Wall control system is designed to control, operate and update firmware for multiple monitor/s remotely, i.e user can control remotely all features and functionalities of one or multiple monitors over Ethernet or Serial RS 232.

SUPERIOR BLACK LEVELS & WIDE VIEW ANGLE

Black Color Level Performance <Less 2.5 cd/m2 and Wide Viewing Angle up to 178 degrees.

DE-INTERLACING AND SCALING TECHNOLOGY

LCM series is equipped with Cutting edge De-Interlacing and Scaling Technology using Motion Adaptive De-Interlacing. This high motion detection accuracy technology greatly improves image quality for both static and fast moving objects. Hardware architecture is very flexible suited to quick installation.



CIRCLE PATTERN



COMPETITORS



LCM Series

GAMMA AND COLOR TEMPERATURE ADJUSTMENT

LCM Series can adjust Gamma values between 1.8~3.0 with auto calibration software using Eyeone, K-10, Minolta CA-210, CA-310 or JETIPROBE. Gamma Setting Value: 1.8~3.0 Color Temperature Mode: 3200K, 5400K, 6500K, 9300K, 11000K, User

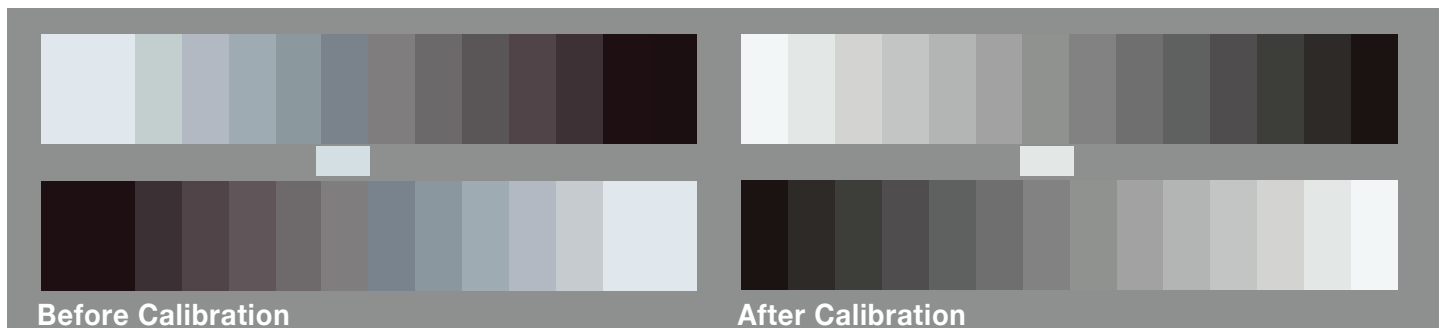


PSC-400 - Plura System Controller



DUAL 3G HD-SDI SIGNAL INTERFACE

LCM -3G Series conforms with 3G HD-SDI, SD-SDI and SMPTE-425 signal formats.



Before Calibration

After Calibration