

# LM7046 46" SD/HD/3G Monitor



The right choice in broadcast displays for multiviewers



IPS (In-Plane Switching) technology improves viewing angles and colour reproduction, while LED backlight features better uniformity and lowers consumption.



Two SD/HD/3G-SDI inputs with active loop outputs and two composite inputs (optionally one input with output selectable by menu) are included by default.



One DVI-I and one HDMI inputs, provide direct connection with compatible cameras, multi-viewers, PCs and analogue component video signals.



Audio monitoring is possible thanks to the different input options (analogue and SDI-embedded) and outputs (analogue, digital, headphones and stereo built-in speakers), as well as the configurable on-screen precision vu-meters.



New tools have been developed to assist in the signal monitoring, such as independent waveforms for Y, Cb and Cr, vectorscope and histogram, as well as the "false colour" function.



High resolution dynamic in-monitor displays (IMD) are available on-screen. Additionally, the tally info (on screen or lamp) can be received serially or through contact closure.

Large Format Monitors

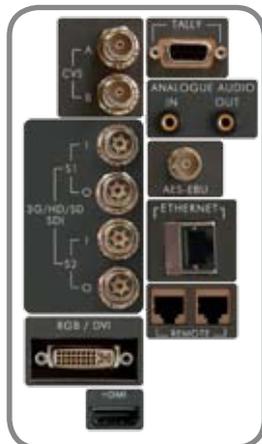
## MAIN FEATURES

- 1920x1080 resolution
- DVI-I and HDMI inputs
- Composite i/o (by menu)
- 2x SD/HD/3G-SDI inputs with active loop
- All inputs active by default
- Waveform, vectorscope, histogram
- Camera control tools
- In-monitor display
- Audio i/o and VU-meters
- Stereo built-in speakers
- Dual split and layouts

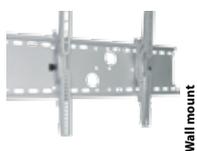
## FRONT VIEW



## REAR INPUTS



## ACCESORIES



Wall mount

## SPECIFICATIONS

LCD Panel		
Size		46" (16:9 native)
Backlight		LED
Resolution		1920x1080
Active Area		1018 x 572 mm
Viewing Angle		178° H/V
MTTF		50,000 Hours
Brightness		500 cd/m <sup>2</sup>
Contrast		4000:1
Response Time		6.5 ms
Inputs		
DVI	Connector	DVI-I
	YPbPr	1080i (60/59.95/50), 576p@50i, 480p@60i
	RGB (VGA)	640x480, 800x600, 1024x768, 1280x1024, 1600x1200
	DVI Graphic mode	640x480 (60/50), 800x600 (60/50), 1024x768 (60/50), 1280x720(60), 1280x1024 (60/50), 1360x768 (60/50), 1366x768 (60/50), 1920x1200 (60/50)
DVI Video mode	1920x1080(50i, 60i, 50p, 60p)	
HDMI		640x480(60/50), 800x600(60/50), 1024x768(60/50), 1280x720(60), 1280x1024(60/50), 1360x768(60/50), 1366x768(60/50), 1920x1200(60/50)
		1920x1080(50i, 60i, 50p, 60p)
Composite	Connector	2xBNC or 1xBNC (selectable by menu)
	SMPTTE 170M	PAL/NTSC/SECAM
SD/HD/3G		2xBNC
	Connector	576i@50, 480i@60
	SMPTTE-259M	720p(60/59.94/50)
	SMPTTE-296M	1080p(30/29.97/25/24/23.98), 1080sF(24/23.98), 1080i(60/59.94/50)
	SMPTTE-274M	1035i(60/59.94)
	SMPTTE-260M	1080p(60/50)
	SMPTTE-424M	
Audio		SDI embedded audio Analogue audio (Jack connector)
In-Monitor display		RJ-45 Connector
Remote control		Ethernet
Tally		SUB-D9 Connector (contact closure and voltage) Connector RJ-45 (serial protocol)
LTC, VITC, VITC2		SDI embedded
Outputs		
Composite		1xBNC (selectable by menu)
SD/HD/3G-SDI		2xBNC (active loop)
Audio		2x Analogue audio (Jack connector), front and rear AES-EBU (BNC Connector) Speakers(2+2 W) VU-meters
Tally		On-screen Lamp
In-Monitor display		RJ-45
General		
Dimensions		620 x 1050 x 100 mm
Weight		26 Kg
Power		Internal PSU 110-240 VAC
Power consumption		120 W
Model #		LM7046A11
Accessories		MS1200X50: Wall mounting kit