

QS SERIES SD/HD Quadsplit Monitors

The Quadsplit series monitors can natively display 4 of their ten inputs simultaneously by dividing the main display in four quadrants. Users can select which signal, out of 2 or 3 choices, is displayed in each window. A full screen mode is also available.

QS SERIES
Quadsplit Monitors



MAIN FEATURES



By default, the monitor is provided with 2 DVI-I inputs (YPbPr, VGA and DVI video modes) and 8 multifunction video inputs (for PAL/NTSC/SECAM composite video and SD-SDI signals).

The HD option in the multifunction inputs can be included at the time of purchase or activated by password at any moment afterwards and within seconds.

In addition to the standard quadsplit mode with four identical windows, there are different layouts available with several combinations of sizes and positions.

One main large window can be combined with 3 smaller signals on both sides, on top or bottom. The different layouts, as well as which of the 10 inputs is displayed as main screen, may be easily selected in the on-screen menu.

In any of the layouts, it is possible to switch any of the signals to full screen mode just by pressing the corresponding key in the front panels.

Independent alarms for each of the quadrants may be set, with four different event types: out of sync, frozen picture, black picture and audio (presence or absence for each channel). The alarm is displayed on screen with a frame around the picture, with different colours depending on the event type.



The QS SERIES units can be used to monitor both analogue and digital audio: any of the 4 analogue stereo inputs or the built-in audio de-embedder, can be fed to the on-screen VU-meters (with the possibility of monitoring 4 groups/16 channels per window); or listened by using the built-in speaker or headphones output.



Each of the video signals can count with a dynamic in-monitor display, under serial protocol, to keep the different video signals correctly identified. A Static IMD can also be easily configured for each window.

On-screen tricolour tallies are available (through serial protocol, contact closure and voltage).

OTHER FEATURES



The QS series monitors in 18.5" and 24" include displays featuring IPS (In-Plane Switching) technology, improving viewing angles and colour reproduction over regular LCD displays.

Broadcast colorimetry

One major advantage over multiviewing systems when compared to built-in quadplits is colorimetry control. Unlike most industrial and consumer monitors, commonly used in multiviewing systems, each of the three colour components, Red, Green and Blue, can be adjusted independently to match an exact colorimetry setting.

LTC

The LTC signalling can be extracted and displayed, so that synchronization information can be constantly monitored.

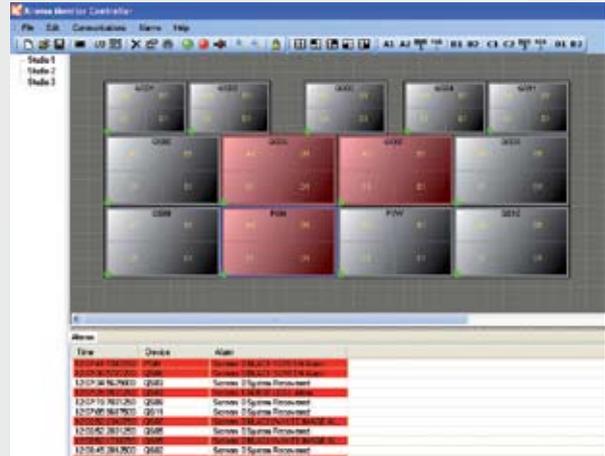
QS SERIES SD/HD Quadsplit Monitors

KROMA MONITOR CONTROLLER

KROMA QS monitors can work as a modular multiviewing system just by adding several units together to build a monitoring wall. With 4 signals per unit at once, the system would require as many units as to show the whole range of video signals in the system (i.g., 5 QS monitors would be used for 20 signals). It is possible to mix different sizes together, and even combining QS monitors with 7000 series monitors for PVW and PGW, since the screens and colorimetry settings are the same for both series.

To increase the possibilities of this modular system, KROMA has developed its Monitor Controller. This PC-based software provides remote access to all the functions in the monitors from a computer, just by using a regular Ethernet network and the network ports in the monitors (both QS and 7000 series). This way, not only basic functions such as brightness or contrast of the screens, but also advanced features such as In-Monitor displays or the Vu-meters, may be conveniently configured from the control desk.

In addition to the standard functions in the monitors, the KROMA Monitor Controller software can set a log of all events and alarms in the system, with details of the monitor and quadrant, as well as date and time of the event. These functions take QS series very close to a dedicated multiviewing system, with additional advantages: being based on broadcast monitors, colorimetry is easily managed and signal delay is as low as possible, just the same as in single monitors system.



QS SERIES Quadsplit Monitors

SPECIFICATIONS

	QS18	QS24	QS46
Model #	QS18	QS24	QS46
Size	18.5"	24" (16:10 native)	46" (16:9 native)
Resolution	1366x768 (16:9 native)	1920x1200	1920x1080
Active Area	409.8x230.4mm	518x324mm	1018x572mm
Viewing Angle	178° H/V	178° H/V	178° H/V
MTTF	50,000 Hours	50,000 Hours	30,000 Hours
Brightness	250 cd/m ²	400cd/m ²	450 cd/m ²
Contrast	1000:1	1000:1	2000:1
Response Time	6 ms	6ms	8 ms
Inputs			
DVI-I	Connector	2xDVI-I	
	YPbPr	1080i (60,59.95, 50), 576i@50i, 480i@60i	
	RGB (VGA)	640x480, 800x600, 1024x768, 1280x1024, 1600x1200	
	DVI Graphic Mode	640x480, 800x600, 1024x768, 1280x1024	
CVS/SD/HD-SDI	Connector	8xBNC (autosensing)	
	SMPTE-170M	PAL/NTSC/SECAM	
	SMPTE-259M	576i@50, 480i@60	
	SMPTE-296M	720p(60/59.94/50)	
Audio	SMPTE-274M	1080p(30/29.97/25/24/23.98), 1080iF(24/23.98), 1080i(60/59.94/50)	
	SMPTE-260M	1035i(60/59.94)	
		SDI embedded audio 4ch. analogue audio (SUB-D26 connector)	
In-Monitor display	RJ-45 connector (TSL 3.1 protocol,...)		
Remote control	Ethernet		
Tally	SUB-D26 connector (contact closure and voltage) RJ-45 connector (serial protocol)		
LTC/VITC/VITC2	SDI-embedded (digital) Phoenix connector (analogue)		
Firmware updates	USB B-Type		
GPIO	SUB-D26		
Outputs			
Audio	Front headphone output (Jack connector)		Speakers
	Speakers		VU-meters
Tally	On-screen		
In-Monitor display	On-screen RJ-45 connector (loop output)		
General			
Dimensions	265 x 446.5 x 93 mm	370 x 552 x 95 mm	649 x 1090 x 100 mm
Weight	5.7 Kg	6.8 Kg	31 Kg
Power	External PSU 100-240 VAC	Internal PSU 100-240 VAC	Internal PSU 100-240 VAC
Power consumption	57W	75W	165 W
Ordering info			
Model #	QS18	QS24	QS46
Activation codes	QSHD: HD activation for 8 SDI inputs		
Accessories	QS6018X80: rack mounting kit	LM6024X80: rack mounting kit	MS1200X50: wall mounting kit
	MS2300X80: articulated desktop adaptor	MS2300X80: articulated desktop adaptor	MS2302X50: desktop adaptor
	MS2304X50: fixed desktop support		

Specifications may change without prior notice

REAR INPUTS



AEQ - KROMA TELECOM

AEQ - KROMA TELECOM S.A.
C/ Margarita Salas N.º24 - Parque Científico Leganés Tecnológico - 28919 Leganés(Madrid) - email: sales@aeq.es · www.aeq.es · www.aeqeu.com
AEQ - KROMA designs and manufactures 100% in Spain