

Gen-Lock

When using multiple VQS01 controllers for larger wall configurations, it may be desirable to gen-lock the VQS01 units enabling all displays to be synchronised. The VQS01 provides a sync output and sync input, to gen-lock, connect the output from one unit to the input of the next.

Resolution Table

Input Resolution	Output Resolution
VESA 720 x 400 at 85Hz	4 x 360 x 200 Each output line is doubled.
VESA 640 x 350 at 85Hz	4 x 320 x 175 Each output line is doubled.
VESA 640 x 400 at 85Hz	4 x 320 x 200 Each output line is doubled.
VESA 640 x 480 at 60, 72,75, 85Hz	4 x 320 x 240 Each output line is doubled.
VESA 800 x 600 at 56, 60, 72,75, 85Hz	4 x 400 x 300 Each output line is doubled.
VESA 1024 x 768 at 60, 70, 75, 85Hz	4 x 514 x 384 Each output line is doubled.
VESA 1152 x 864 at 75Hz	4 x 576 x 432 Line double optional.
VESA 1280 x 960 at 60Hz	4 x 640 x 480 Line double optional.
VESA 1280 x 1024 at 60, 75Hz	4 x 640 x 512 Line double optional.
VESA 1600 x 1200 at 60Hz	4 x 800 x 600
2048 x 1536 at 40Hz*	4 x 1024 x 768
2304 x 1728 at 30Hz*	4 x 1152 x 864
2560 x 2048 at 25 Hz*	4 x 1280 x 1024
1280 x 700*	4 x 640 x 350 Line double optional.
1280 x 800*	4 x 640 x 400 Line double optional
1440 x 800*	4 x 720 x 400

* Special display mode required from the VGA graphics card. See EMS graphics card products for supported display modes.

All output modes are line doubled unless the input resolution is higher than 1024 x 768. Line doubling can also be enabled for other modes, as shown in the Resolution Table.



Technical Specification

VQS01 Physical Dimensions	248 x 175 x 55mm
Operating Temperature Range	0 - 35 DegC
Power Requirements	9 - 15V DC at 3 amps (max). Requires VQS PSU. (External PSU)
Cooling	The unit contains a cooling fan. The input and output vents should not be restricted.
VGA Input	1 x DVI connector. Analog or digital
Display outputs	4 x DVI connectors Analog or digital
Gen-Lock input/output	2 x RCA connectors. TTL voltage levels
Power connector	5 pin DIN
VQS-PSU	
VQS-PSU Physical Dimensions	132 x 58 x 30mm
Input power	110 - 240v AC 50-60Hz
Operating Temperature Range	0 - 35 DegC
Output power	12V DC at 3.75 amps (max)

Ordering Information

- 2 x 2 wall control unit model No VQS01. This unit requires an external power supply.
- External power supply model No VQS-PSU.



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