STRETCH YOUR MONITOR AMONG FOUR DVI OR VGA SCREENS WITHOUT THE USE OF SOFTWARE
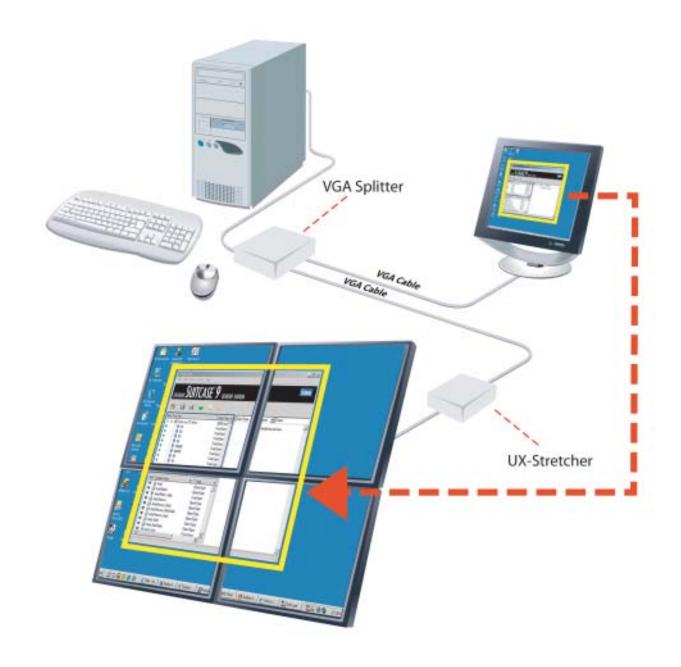
The SmartAVI UXST4 is a display wall controller which connects to the VGA output of any PC and displays the image across 4 displays. Each display shows 1/4 of the VGA image in a 2 x 2 format.

FEATURES

▲ **2 x 2 VGA Display Wall Controller.**

▲ **The UXST4 accepts analog or DVI VGA video input.**

▲ **Outputs to 4 displays. Each Display shows 1/4 of the VGA image. (2 x 2 format)**

▲ **The UXST4 supports both analog and DVI displays.**

▲ **A stand alone unit that requires no software or other hardware to be installed on your machine.**

▲ **Multiple units can be used for larger wall configurations.**

Application Diagram

VGA Splitter

VGA Cable

VGA Cable

UX-Stretcher

Applications

- ⬊ Video Walls
- ⬊ Information Walls
- ⬊ Command Centers

- ⬊ Control Rooms
- ⬊ Simulation Systems
- ⬊ Convention Facilities

Display Mirroring

The UXST4 also supports display mirroring. This allows each output to be mirrored horizontally and vertically. This feature is particularly useful for display walls using LCD panels, allowing each panel of a 2 x 2 wall to be mounted in a different orientation. Many LCD panels have larger borders on two of the panel edges, by changing the orientation; the minimum gap between displays can be achieved.

Adjustable Output Refresh Rate

The UXST4 provides the user with selectable output refresh rates supporting 50, 56, 60, 70, 72, 75, and 85Hz.

Display Adjustments

When using an analog VGA source, the VQS01 provides user adjustment for the following:

- Horizontal Position
- Vertical Position
- Phase
- Clock

These adjustments allow the output display to line up exactly with the incoming analog VGA source. Adjustments to any particular display mode may be saved; the UXST4 will then recall the settings every time the display mode is detected.

Gen-Lock

When using multiple UXST4 controllers for larger wall configurations, it may be desirable to gen-lock the UXST4 units enabling all displays to be synchronized. The UXST4 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 85Hzp	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 optionalp
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
1600 1200 at 35, 37.5, 56 and 60Hz*	4 x 640 x 480
1280 x 960 at 70, 75 and 85Hz	4 x 640 x 480
1280 x 700 at 85Hz*	4 x 640 x 350
1280 x 800 at 85Hz*	4 x 640 x 400
1440 x 800 at 85Hz*	4 x 720 x 400

* Special display mode required from the VGA graphics card. See SmartAVI 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

Front

Back

SPECIFICATIONS

Physical Dimensions	248 x 175 x 55mm
Operating Temperature Range	0 - 35 DegC
Power Requirements	9 - 15V DC at 3 amps (max). Requires 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
PSU	
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)

ORDER INFO

Model	Description
UXST4	2 x 2 wall control unit with universal power supply
UXDV	DVI to VGA cable adaptor