

# Video Wall System

## Application

Flight Information Display System  
Train Information System  
Advertising Signage  
Entertainment  
Game of Chance  
Banking & Finance



## Technical Specification :

**Enclosure :** 19-inch 2U rack mounting or free standing (detachable brackets).  
Size: 430 mm x 250 mm x 88 mm.

**Array Formats :** Supports up to 16 monitors expandable to 25 monitors using internal module.

Implement huge arrays up to 256 monitors using multiple processors.

Suitable for LCD Monitors with A/V inputs.

Square, rectangular and pyramid monitor arrays supported.

Processor can compensate for monitor position misalignment.

**Video Inputs :** 4 Composite-video inputs + 2 S-video inputs – up to 8 sources in total.

PAL, NTSC, SECAM, 50/60 Hz field rate, 15.625 kHz line rate.

Software control of all video input functions with storage in processor flash memory.

**Video Conversion :** 2 independent video input processors with internal synchronisation.

CCIR601 sampling @ 27 MHz.

**Display Resolution :** 720 x 576/480 interlaced and repeat field modes.

**Video Outputs :** Composite-video: RCA/Phono Connector, 1V p-p /75 Ohm.

Software selectable PAL, NTSC and SECAM, 50/60 Hz field rate, 15.625 kHz line rate.

S-video: Mini-DIN Connector, 1V p-p /75 Ohm.

Software programmable horizontal and vertical monitor offsets.



# Video Processor Specification

- Effects :**
- Magnifications 1 to 16 with no motion artifacts.
  - 2-dimensional (2D) Pixel interpolation for ultra-smooth magnified image.
  - Display text and graphics messages including your logo.
  - Freeze modes including variable rate strobe.
  - Colour washes with 64k different colours on each video wall monitor.
  - Wipe between 2 video input channels and switch between 8 video inputs.
  - Interlace and repeat-field display modes.
  - Zoom and bounce images.
  - Solarise, negative, and other pixel intensity effects.
  - Effects continuously under development with free upgrades via our website.

**Effects Control :** Download your effects sequences to processor flash memory for stand-alone operation.

Optionally trigger downloaded sequences using simple ASCII RS-232 commands.

Control slave RS232 devices such as video matrix switches.

Multiple processors controlled using RS-232 daisy-chain.

**Power :** **Power** Internal 40W, auto-switching 100VAC to 240VAC, 0.315A, 50/60 Hz.

**Environment :** Storage: -40° to +158°F (-40° to +70°C) / 10% to 80%, non-condensing.

Operating: +41 to +95°F (+5 to +35°C) / 10% to 80%, non-condensing.

**Weight :** 5 kg (11 pounds). Shipping weight: 7 kg (15 pounds).

