

# Specification

ImageStar Graphics      ImageStar      ImageMag 2

<b>INPUTS</b>	<b>Number:</b>	2 switchable		1	
	<b>Type:</b>	CVBS (PAL & NTSC), S-Video (PAL & NTSC)			
	<b>Connector:</b>	8 x BNC 4 x 15 pin Hi Density 'D'	8 x BNC	4 x BNC	
	<b>Loop Through:</b>	Active CVBS SVideo RGB YCrCb	Passive CVBS SVideo	Passive CVBS Svideo	
<b>OUTPUTS</b>	<b>Number:</b>	2 to 18 per unit, max 36	4, 9 (max 36 with slaves)	9 (max 36 with slaves)	
	<b>Format:</b>	RGBS			
	<b>Frequency:</b>	15.63/31.2 or 15.75/31.4kHz	15.63 or 15.75kHz		
	<b>Scan Type:</b>	625/50/2:1 or 525/60/2:1 625/50/1:1 or 525/60/1:1 625/100/2:1 or 525/120/2:1 1250/50/2:1 or 1150/60/2:1	625/50/2:1 or 525/60/2:1		
<b>CONTROL</b>	<b>Front panel:</b>	Menu driven display (2 line x 16 character LCD).		Wall size and show select with LED indicators.	
	<b>PC Control:</b>	ES5935 C-through for Windows			
	<b>Controller:</b>	ES1561 Show control module			
	<b>Cube:</b>	Serial control of cubes from major manufacturers		None	
<b>MECHANICAL</b>	<b>Dimensions:</b>	433mm x 415mm x 2U (17" x 16.5" x 2U)	433mm x 425mm x 1U (17" x 16.5" x 1U)	433mm x 275mm x 1U (17" x 10.5" x 1U)	
	<b>Weight:</b>	5kg (11lbs)	3kg (6.6lbs)	2.5kg (5.5lbs)	
	<b>Mounting:</b>	19" rack or free standing			
<b>POWER</b>	<b>Voltage:</b>	110-240V AC 47-63Hz auto-ranging			
<b>APPROVALS</b>		UL 1950 CE Marking			

## ELECTROSONIC image control

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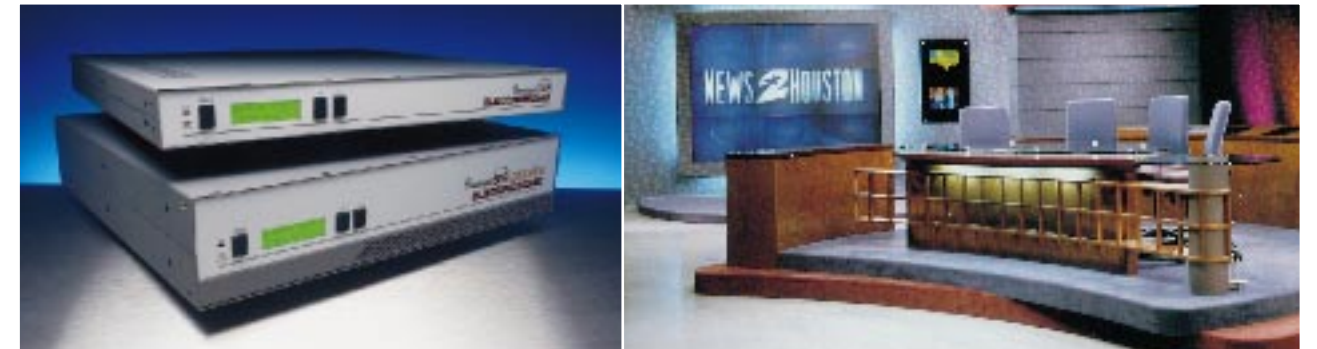
Web site: www.electrosonic.com

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# Image

## Videowall Processors



## ELECTROSONIC image control

# ImageStar Graphics

ImageStar™ Graphics is the highest quality processor in the Image range, able to process VGA and SVGA graphics as well as the full range of analog video sources. Advanced output processing produces dynamic displays without flicker when used with 31 kHz monitor or projection cube videowalls.

- Two switchable inputs support VGA & SVGA Graphics as well as Composite, S-Video, RGBS and Component video sources.
- Supports both PAL and NTSC.
- Auto detect of source signal type.
- Choice of output formats - Standard video; High resolution progressive or 100Hz/120Hz flicker free.
- Reduced pixelation with 4:4:4 component processing.
- Projection cubes and monitor displays.
- Reduced motion artifacts with 3 field interpolation.
- Stand alone operation with a choice of 4 internal shows (video sources only).
- One compact (2U) unit for systems up to 18 screens; expandable to 36 screens with an additional processor.
- Simple set-up: no on-site engineer required.
- Integrated remote control interface with projection cubes.
- Multiple overscan settings for a range of projection cubes.
- Store and recall of user settings.
- PC control with C-through™ for Windows.



## Operation

ImageStar Graphics accepts two inputs. An internal switcher allows one to be selected for display. Each input can accept one of the following source types:

VGA/SVGA Graphics • Composite Video • S-Video • RGB Video • Component Video

Auto-sensing inputs simplify set-up and give true 'plug and play' operation. After the input signal is digitized and decoded, the picture is split and held in individual frame memories, one for each output. ImageStar Graphics may be configured to accept up to 9 dual output screen cards, giving a maximum of 18 screen outputs per unit. Two units may be used together to give 36 screen outputs.

**Preset Show Effects**  
(Video sources only)

Show 1

Unity (x1) magnifications on all screens.

Show 2

Continuous program of slow magnifications and picture freezes.

Show 3

Continuous program of fast magnifications and picture freezes.

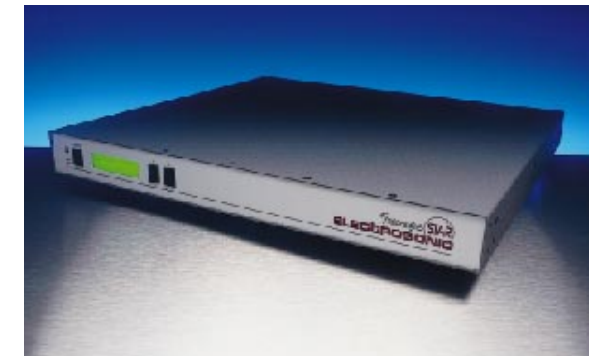
Show 4

Continuous program of fast magnifications, freezes and color washes.

# ImageStar

ImageStar™ is a high quality videowall processor, capable of producing dynamic displays on monitor or projection cube videowalls.

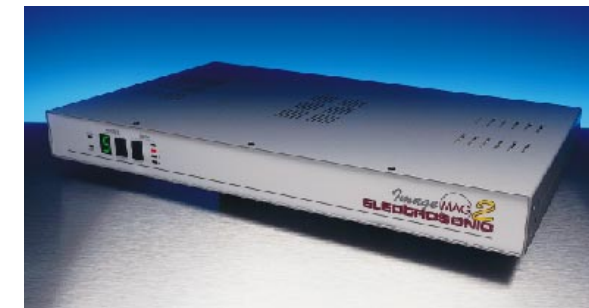
- Two switchable inputs support composite or S-Video sources.
- PAL or NTSC automatic selection.
- Auto detect of input source.
- Reduced pixelation with 4:4:4 component digital processing.
- Projection Cube and Monitor displays.
- Reduced motion artefacts with three field interpolation.
- Stand alone operation with choice of 4 internal shows.
- One compact 1U unit for displays up to 3 x 3. Expandable up to 6 x 6 displays.
- Simple set-up: no on-site engineer required.
- Integrated remote control interface with projection cubes.
- Multiple overscan settings for a range of projection cubes.
- Store and recall of user settings.
- PC control with C-through for Windows.



# ImageMag2

ImageMag™2 is a high quality, low cost processor for monitor videowalls. Designed for single video or S-Video input videowall applications, ImageMag 2 is ideal for those situations where simplicity of set-up is important.

- Stand-alone operation with the choice of 4 internal programmed sequences.
- One compact unit for 2x2 or 3x3 displays.
- Expandable up to 6x6 displays.
- PAL or NTSC automatic selection.
- Simple set-up and operation.
- No on-site engineer required.



## Operation

ImageMag 2 is available in two varieties – ES5540 and a slave unit, ES5540/S. ES5540 has four preset show effects and can drive up to 9 screens (3x3).

Slave units may be added to this main unit to increase the size of videowall that the system can drive, up to a maximum of 36 screens (6x6). As well as the preset show effects, either unit can be controlled more flexibly via the Picbox™ real time controller, or the more versatile C-through Lite PC control software.

**Pre-set Show Effects**  
(ES5540 only)

Show 1

Unity (x1) magnification on all screens.

Show 2

Continuous program of slow magnifications.

Show 3

Continuous program of fast magnifications and picture freezes.

Show 4

Continuous program of fast magnifications, freezes and color washes.