MAS-6200

MAGELLAN Series

FSR
Video Products Group

Multi-purpose Video Switcher/Scaler

Supports up to 1080i Output

MAS-6200A pictured

FEATURES

The MAS-6200 is a multi-purpose Video Switcher/Scaler that is ideal for boardroom and house of worship presentation systems. The MAS-6200 provides high quality scaling from Standard Definition, High Definition and Computer video sources to resolutions that match your projector, plasma or HD display.

The MAS-6200A adds a 4x1 stereo audio switcher with balanced output and adjustable delay to keep the audio and video in sync.

The MAS-6200's have 2 Composite Video Inputs, 2 S-Video Inputs, 1 Component Video Input and 1 Computer / Component Input. Both NTSC and PAL are supported.

The scaled output is selectable at any computer resolution up to 2048x2048 as well as all HDTV resolutions up to 1080p.

The MAS-6200 can be controlled in a variety of ways. The front panel along with an on-screen display handle all set-up and switching features. The 6200 can also be remotely controlled from the FSR Room Navigator or other control system via the RS-232 port or the IR Port. Another option is the Control Panel that runs on any Microsoft Windows equipped PC.

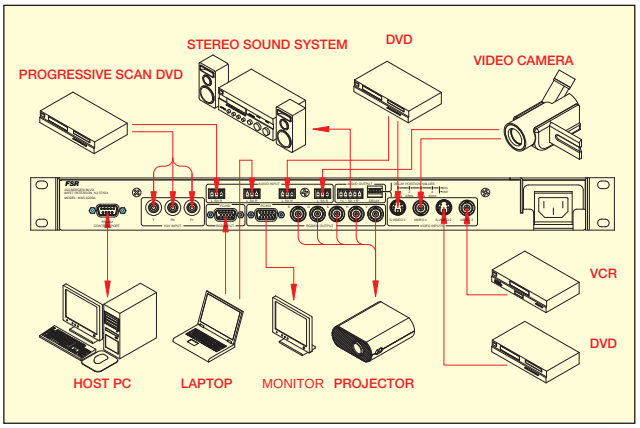
To make IR control easy and painless, all IR codes are provided in a CCF format and are available on the FSR web site. These can be used in nearly any universal remote control or from any control system with IR output.

In addition to the standard scaling and switching capabilities, the MAS-6200 has a built in keyer to allow computer generated text to be superimposed upon a video back-ground, pan and zoom and a host of other features normally found on much more expensive products.

KEY FEATURES

- *Automatic Incoming Resolution Detection*
- *2 Outputs: 1 RGB and 1 RGB/Component*
- *Inputs: 2 Composite; 2 S-Video; 1 Component; 1 Computer / Component*
- *Computer Resolutions to 2048x2048*
- *HDTV Resolutions to 1080p*
- *Multiple Worldwide Television Standards*
- *RS-232 and IR Control Capability*
- *Image Pan and Zoom*
- *All Input Types are Scaled*
- *Chromakey and Lumakey*
- *Image Rotation and Automatic picture sizing*
- *4x1 Stereo Audio Switcher with Balanced Output and adjustable delay (MAS-6200A)*

APPLICATIONS



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SPECIFICATIONS

Video Inputs

Television Standards	NTSC, PAL, PAL-M, PAL-N, SECAM
Composite Video	2x via BNC
S-Video (YC)	2x via 4-Pin Mini-DIN Connector
YUV/YPbPr	1x via 3-RCA

Computer Input

RGB/YPbPr	1x via HD15
Format - Analog	RGBHV, RGBS, RGsB, YPbPr
Sync	TTL Level, 10KΩ, Pos or Neg
Termination	Auto-terminating into 75Ω
R-G-B Level Range	0.5-2.0 Vp-p
Scan Rate Detection	Automatic
PC Resolutions	Any up to 2048x2048
HDTV Resolutions	Any up to 1080p
Max Horiz Scan Rate	150KHz
Computer Compatibility	PC, Macintosh, Workstations

Computer Output

Format - Analog	RGBHV, RGBS, RGsB, YPbPr
Connectors	1x HD-15 Female and 1x 5-BNC
R-G-B Level	0.7 Vp-p
PC Resolutions	Any up to 2048x2048
HDTV Resolutions	Any up to 1080p
Vertical Refresh Rate	to 250Hz

General

Size and Position	Automatic or Manual
Image Size	User-Definable Presets
Image Freeze	One Video Frame
Settings Memory	Non-Volatile
Zoom Range	Variable to 10X Zoom
Shrink Range	Variable to 10%
Image Mirroring	Horizontal and/or Vertical
Horizontal Filtering	Full Digital
Conversion Technology	Proprietary
Color Resolution	24-bit (16.8 Million Colors)
Digital Sampling	24-bit, 4:4:4 format
Firmware Memory	Flash, Upgradeable via RS-232
Video Decoder	9-bit Digital
De-Interlacing (NTSC-PAL)	Pixel-level Motion Adaptive Comb Filter Decoding Adaptive
Film Mode (NTSC)	3:2 Pulldown
Video Adjustments	Contrast, Brightness, Saturation, Hue (NTSC), R-G-B Levels

Audio Input/Output (MAS-6200A only)

Inputs	4x Unbalanced via Terminals
Input impedance	10K
Output impedance	50Ω
Output	Balanced via Terminals
Audio delay	Adjustable

Operational Modes

Key	Chromakey or Lumakey
Mix	PC to/from Video

Control Methods

Local	via Front Panel Buttons & OSD
RS-232 Interface	via D9 Female Connector
Infrared Interface	Front Panel Sensor (Remote Not Supplied)

Warranty

Limited Warranty	3 Years Parts and Labor

Regulatory Compliance

Main Units	FCC, CE, RoHS
Power Supplies	UL, CE, CSA, RoHS

Mechanical

Size (H-W-D)	1.72" x 19" x 11" (43.5 x 482.6 x 279.4mm)
Weight (Net)	10 lbs (4.536 kg)

Environmental

Operating Temperature	+4° to +45° C (+40° to +113° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	0° to +60° C (+32° to +140° F)
Storage Humidity	10% to 85%, Non-condensing

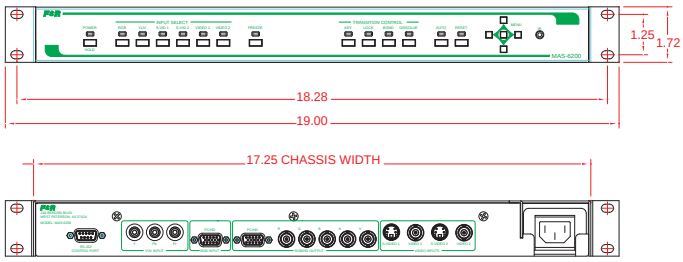
Power Requirement

Power	100-240VAC, 50-60Hz, 0.3A

Product Item Numbers

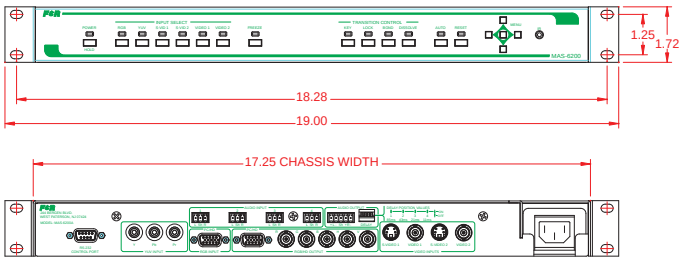
MAS-6200	Video Switcher/Scaler
MAS-6200A	Video Switcher/Scaler with audio

MAS-6200



DEPTH INSIDE RACK IS APPROXIMATELY 11.00"

MAS-6200A



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Specifications are subject to change without notice.