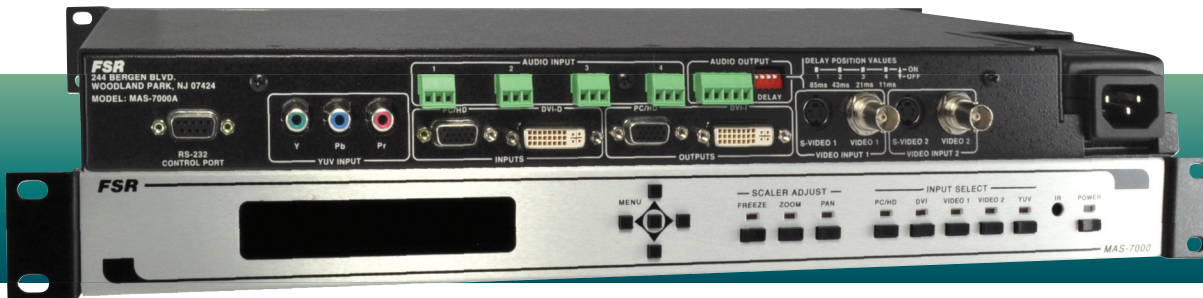# MAS-7000

MAGELLAN Series

FSR
Video Products Group

Multi-purpose Video Switcher/Scaler

DESCRIPTION

The MAS-7000 is a multi-purpose Video Switcher/Scaler is ideal for boardroom and house of worship presentation systems. The MAS-7000 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-7000A adds a 4x1 stereo audio routing switcher with balanced output and adjustable delay to keep the audio and video in sync. A rear panel terminal block provides input and output access.

Both models have two Composite Video Inputs (BNC), two S-Video Inputs (4 pin Mini-DIN), one Component Video Input (3 RCA), one Computer /Component Input (HD-15) and one DVI-D Input on a DVI-I connector. Both NTSC and PAL are supported.

The units have one Computer/Component output on an HD-15 connector and one DVI-D output on a DVI-I connector The scaled output is adjustable at any computer resolution up to 2048x2048 as well as all HDTV resolutions up to 1080p.

All settings are stored in non-volatile memory and are retained even when power is switched off. Ten user defined presets are also available to customize settings for various applications. A front panel LCD makes setup easy.

The MAS-7000 can be controlled in a variety of ways. The front panel along with an LCD display handle all set-up and switching features. The 7000 can also be remotely controlled from the FSR Room Navigator, an external control system via the RS-232 serial port or the IR Port.
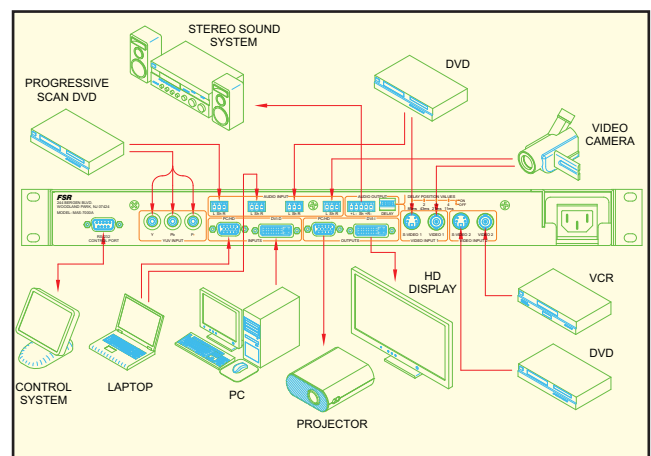
To make IR control easy and painless, all IR codes are provided in a CCF format and are available on the FSR web site. These can be used in nearly any universal remote control or from any control system with IR output.

In addition to the standard scaling and switching capabilities, the MAS-7000 has pan, zoom and a host of other features normally found on much more expensive products.

KEY FEATURES

- Automatic Incoming Resolution Detection
- 2 Outputs: 1 Computer/Component, 1 DVI-I
- Inputs: 2 Composite; 2 S-Video; 1 Component; 1 Computer / Component; 1 DVI-I
- Computer Resolutions to 2048x2048
- HDTV Resolutions to 1080p
- Multiple Worldwide Television Standards
- RS-232 and IR Control
- Image Pan and Zoom
- All Input Types are Scaled
- Image Rotation and Automatic picture sizing
- 4x1 Stereo Audio Switcher with Balanced Output and adjustable delay (MAS-7000A)

APPLICATIONS

FSR Inc.

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Phone: 973.785.4347 · Fax: 973.785.4207
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Order Desk: 1-800-332-FSR1   LIT1348

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

DVI Input

DVI-D	DVI-I Connector
DVI Resolutions	Any up to 1920x1200, HD to 1080p/60

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

DVI Output

DVI-D	DVI-I Connector
DVI Resolutions	Any up to 1920x1200, HD to 1080p/60

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-7000A only)

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

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

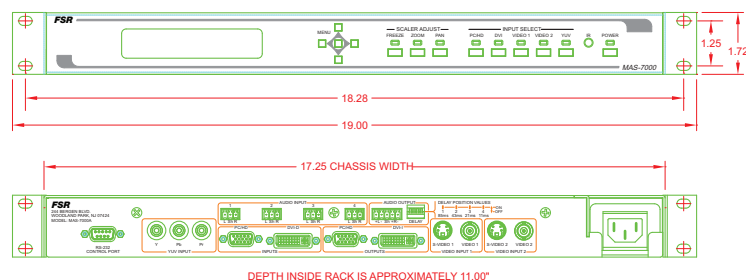|	
Operating Temperature	+4° to +45° C (+40° to +113° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	0° to +60° C (+32° to +140° F)
Storage Humidity	10% to 85%, Non-condensing

Power Requirement

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

Product Item Numbers

MAS-7000	Video Switcher/Scaler
MAS-7000A	Video Switcher/Scaler with audio

MAS-7000

18.28
19.00
17.25 CHASSIS WIDTH
DEPTH INSIDE RACK IS APPROXIMATELY 11.00"

Specifications are subject to change without notice.

MADE IN THE USA

GREEN

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Web: www.fsrinc.com · E-mail: sales@fsrinc.com · Order Desk: 1-800-332-FSR1