

MDC-MK4

MAGELLAN Series

FSR

Video Products Group

MDC-MK4

Down Converter



DESCRIPTION:

The MDC-MK4 is the next generation of low cost high performance down converters. Churches, schools, hotels, live events or nearly anyone who needs to convert a high resolution computer image to any television standard will benefit from MK4's performance and cost effectiveness.

With HD and computer input support plus HD and standard definition output support, the MK4 is the perfect transcoder for mixed format applications. Simply connect a computer or HD source to the input and select a standard definition or High Definition output and your image is available in the format that you need with the quality that you expect.

The MDC-MK4's inputs supports computer resolutions up to 2k x 2k and all HD resolutions up to 1080p. The output can be set to NTSC or PAL and will support standard definition composite, S-Video and component video simultaneously. Alternatively, the MK4 can also output HD component. When in the HD output mode, the composite and S-Video outputs are shut off.

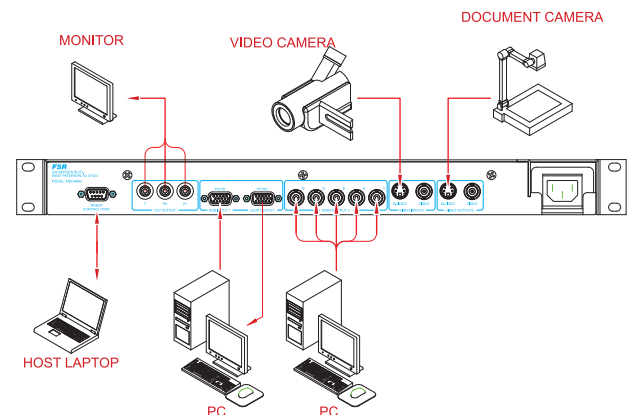
The MDC-MK4 incorporates several features to simplify use. First, all control and set-up functions are controlled via the front panel and a simple on-screen menu system. Additionally, a remote control software application is provided that allows the MK4 to be controlled via a serial connection from any computer running Microsoft Windows. Next, the input resolution is automatically determined and the image is sized perfectly to the desired output format. Variable Pan and Zoom allow the user to adjust image size and placement. Finally, the common functions such as switching are performed with a single button press on the front panel.

To ensure the highest picture quality, The MDC-MK4 incorporates a multi-line active scaler to sample and convert the resolution from the input to the desired output while maintaining color accuracy and eliminating flicker.

FEATURES:

- Automatic Input Resolution Detection
- 4 Inputs
- Mix Computer / Component Input with Background Composite or S-Video Input
- Computer Resolutions to 2048x2048
- HDTV Resolutions to 1080p
- Automatic Picture Sizing and Placement
- NTSC, PAL and SECAM Support
- Standard Definition Composite, S-Video and Component Output
- High Definition Component Output
- Variable Image Pan and Zoom
- RS-232 and IR remote control inputs

APPLICATIONS:



FSR Inc.

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SPECIFICATIONS:

Video Inputs

Number	4
Type and Format	1 HD-15 with Loop Out RGB 1 5 BNC RGB/Component 1 1 BNC Composite 1 4 Pin DIN S-Video
Termination	Auto-terminating into 75Ω
Sync Rate	Auto Detect
Resolution	RGB Any up to 2048x2048 HD Any up to 1080p
Refresh Rate	H: Up to 150KHz V: Up to 250Hz

Video Outputs

Number	3
Type and Format	1 1 BNC Composite 1 4 Pin DIN S-Video 1 3 RCA Component

Level

Video	.7 Vp-p Nominal .5 – 2.0 Vp-p Min / Max
Sync	TTL Pos or Neg
Standards	NTSC, PAL, PAL-M, PAL-N, SECAM
Computer Loop-thru	1 HD-15 Female Connector

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
Color Resolution	24-bit (16.8 Million Colors)
Sampling Rate	108MHz
Digital Sampling	24-bit, 4:4:4 format

Operational Modes

Key	Chromakey or Lumakey
Dissolve	PC to/from Video

Genlock Adjustments

Subcarrier Lock Range	+/- 200Hz for NTSC Operation (+/- 250Hz for PAL Operation)
Subcarrier Phase	+/- 180°
Control Methods Local	via Front Panel Buttons & OSD
RS-232 Interface	via D9 Female Connector
Infrared Remote	via 3rd party remote
Input Expansion Control	via D-15 Options Connector

Warranty

Limited Warranty	3 Years Parts and Labor
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Regulatory Compliance

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

Mechanical

Size (H-W-D)	19"L x 1.72"H x 11"D
Shipping Weight	10 lbs

Environmental

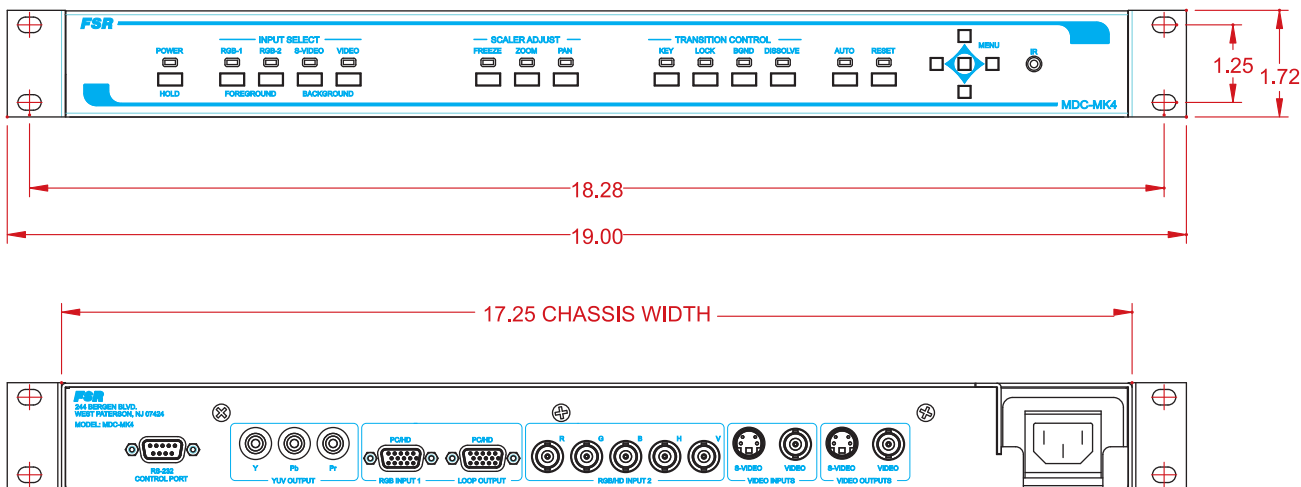
Operating Temp.	+4° to +45° C (+40° to +113° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temp.	0° to +60° C (+32° to +140° F)
Storage Humidity	10% to 85%, Non-condensing

Power Requirement

100-240 VAC 50/60~ 0.3A

Product Item

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DEPTH INSIDE RACK IS APPROXIMATELY 11.00"

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