

## Component/RGBHV Matrix Switchers

**FAT  
BOY  
SERIES™**

# KD-MSV8X8

Video Matrix Switcher capable of switching up to 8 Component Video Sources/Inputs to 8 independent Zones/Outputs



### Key Features

- › Switches 8 Component video sources to 8 Outputs, or 4 RGBHV video sources to 4 outputs
- › Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
  - › SD & HD: 480i, 480p, 720p, 1080i, 1080p
  - › VESA / VGA (RGBHV): From 640x480p up to 1920x1200p
- › Front LED's indicate the selected source and input/output status

### Key Benefits

- › Built-in circuitry allows for cable (RG6) runs up to 300 ft. without signal degradation
- › Capable of switching RGBHV signals by sharing 2 inputs and 2 output zones
- › Serial IR, Optical IR, Front Panel, Discrete Remote Codes, & RS-232 control. Supports major control systems such as AMX®, Colorado vNet®, Control4®, Crestron®, HomeLogic™, lifelware™, RTI®, Savant, Universal®, Xantech®

### Specifications

#### Technical:

- › Inputs (8): RGB or YPrPb on 3 RCA female 1Vpp/75Ω
- › Outputs (8): RGB or YPrPb on 3 RCA female 1Vpp/75Ω
- › Max Video Input Level: VGA or YPrPb: 1.2Vpp on 75Ω, AC coupling
- › Return Loss: -19dB
- › Max Video Output Level: VGA or YPrPb: 1.5Vpp on 75Ω, DC coupling
- › Resolution: Up to UXGA; 1080p
- › Control: Front panel push buttons and LED's, front and rear Infrared Receiver, Wired IR on rear, RS-232 on Tx and Rx lines
- › Matrix Switching: Full matrix switching for Video
- › Video S/N Ratio: 58 dB RMS un-weighted; 65 dB RMS @5MHz weighted, optimal EQ
- › K-Factor: 0.22 % @ optimal EQ
- › Video Isolation (Crosstalk): -45dB @ 5MHz
- › Resolution Conversion: 24 bits
- › Power: +6V, 6.6A

#### General

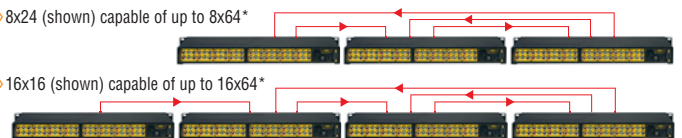
- › Regulation: CE, RoHS, WEEE
- › Enclosure: Black Metal
- › Product Dimensions: L = 17.5" W = 7" H = 1.75"
- › Shipping Carton Dimensions: L = 23.5" W = 11" H = 4.5"
- › Accessories: IR Remote Control, UL Certified Power Supply
- › Product Weight: 6 lb
- › Shipping Weight: 9 lbs

### Matrix Expansion

- › Can be incrementally expanded (with additional units) up to 8 Sources/Inputs to 64 Zones/Outputs or 16 Sources/Inputs to 64 Zones/Outputs. Visit [www.keydigital.com](http://www.keydigital.com) for expansion unit model numbers

- › 8x24 (shown) capable of up to 8x64\*

- › 16x16 (shown) capable of up to 16x64\*



### System Design Example

