

# MX-4™

Digital Video Mixer



**MX-4**  
MODEL MX-4

**Add dazzling professional looking jpeg images to your video production in a blink of an eye! The MX-4 Digital Video Mixer is the next in a line of industry leading production performance products by FOCUS Enhancements. MX-4 delivers high quality 10-bit 4:2:2 digital video on the fly with superior comb filter circuitry to provide crisp and clear images for your live event. Advanced features and an exceptional user friendly interface make MX-4 the ideal tool for both post production and live applications.**

**MX-4 IS ONE OF THE MOST AFFORDABLE DIGITAL VIDEO MIXERS ON THE MARKET TODAY PROVIDING OVER 700 SPECIAL EFFECTS AND INTEGRAL GRAPHICS STORE CAPABILITIES. THE POSSIBILITIES ARE VIRTUALLY ENDLESS WITH MX-4!**



#### **AMAZING AUDIO & VIDEO**

We set the standard in video quality with the MXPro, offering great looking real-time 10-bit (4:2:2) digital video. Based upon the MXPro, MX-4 Digital Video Mixer from FOCUS Enhancements is raising the bar with the addition of input comb filter circuitry providing superior digital and analog images without a loss in quality.

With enhanced synchronized audio mixing capabilities, MX-4 provides an on-screen slider control for volume and level meter adjustment. These enhancements, together with dual-field time base correction and a frame synchronizer, will allow seamless switching between your eight (four S-Video, four composite) video sources for the ultimate in source flexibility.

#### **ETHERNET SUPPORT FOR INTEGRAL GRAPHICS**

Let the MX-4 enhance your live video production with superb imported graphics. You can import

and store graphics on your MX-4 quickly and easily. No software, no delays, it is that simple! Now you will have the creative flexibility to store up to 100 jpeg images as backgrounds, inputs or foreground images.

#### **OVER 700 SPECIAL EFFECTS**

Forget about limitations. With MX-4 you have the resources to choose from over 700 special effects. Produce a world class professional production at the drop of a hat with transitions that include curved and jagged edges, organic shapes, alpha wipes, color borders and dissolves.

#### **THE TOTAL DIGITAL MIXER PACKAGE**

Everything you need to mix a professional quality video is here with MX-4. With all of these new features, MX-4 from FOCUS Enhancements has set the standard as the new price/performance leader for professional digital video mixers.

**FOCUS**  
enhancements

# MX-4™ Digital Video Mixer

MODEL MX-4

## PRODUCT DESCRIPTION

The MX-4 is a 10-bit, four-input video production switcher, mixer, frame synchronizer/TBC (Time Base Corrector), manual color corrector and special effects generator.

## APPLICATIONS

- ▼ Live Productions
- ▼ Sporting Events
- ▼ Business and Classroom Presentations
- ▼ General Video Switching
- ▼ Weather Chroma Key
- ▼ Internet Productions
- ▼ Linear Editing

## FEATURES

- ▼ Integral graphics store
- ▼ Real-time Four Layer Video Effects
- ▼ S-video (Y/C), composite (RCA) inputs/outputs
- ▼ 10-bit 4:2:2 video processing with superior input comb filter circuitry
- ▼ 700 manual or automatic video transitions
- ▼ Store two frames or field freezes in memory
- ▼ RGB Color Correction
- ▼ Eight Gradients
- ▼ Built-in audio mixer with on-screen level meters
- ▼ Dual Monitor Mode to allow the Preview screen to stay constant
- ▼ Store 30 favorite transitions in a user-defined menu
- ▼ Colored borders for transitions
- ▼ Single and multiple picture-in-picture and movable mosaic mask
- ▼ Learn feature memorizes a series of effects and multiple configurations
- ▼ Preview four sources at once
- ▼ Color generator
- ▼ Compose mode
- ▼ Dual-field time base correction (TBC)
- ▼ Input effects such as Chroma Key, Picture Flip, Strobe, Mosaic and more
- ▼ GPI trigger input
- ▼ Houseblack input
- ▼ Ethernet I/O for computer & network connectivity
- ▼ Color bar and black burst generators
- ▼ Two year warranty

## SPECIFICATIONS

### General

- Power Supply: External in-line; 110VAC@60Hz/240VAC@50 Hz universal
- CE/FCC/UL/cUL approved (non-US/Canada versions meet local regulatory standards)
- Dimensions: 16.6" x 9.5" x 3" (422mm x 241mm x 76mm)
- Weight: 4 lbs. (1.8Kg)
- Ambient temperature: 32-104°F (0-40°C)
- Ambient humidity: Less than 95%

### Inputs

- VIDEO: 4 x S-video (Y/C): Y=1 Vp-p, C=0.30 Vp-p, 75-ohm, (4-pin mini-DIN connectors)
- 4 x composite: 1.0 Vp-p 75-ohm, (RCA connectors)
- Audio: 4 x 2 (L and R) RCA connectors, 50 k ohms
- GPI: Mini-Jack
- House Black RCA

### Outputs

- (PREVIEW and MAIN): 1.0 Vp-p, 75 ohm; PREVIEW=1x RCA; MAIN=2x RCA Connectors and 2x S-Video (MAIN): Y=1.0 Vp-p, C=0.3 Vp-p; 75 ohm, 4-pin mini-DIN connector
- Audio (L and R): 1 k ohms, RCA connectors
- Headphone: Stereo jack, 8-100 ohms, stereo signal

### Effects

- Video: 700+ Transitions: Input Effects including Strobe, Mosaic, Flips, Brightness, Color Saturation, Hue, Contrast, Black & White, Black & White Negative, Color Negative and Posterize, Special Effects including Chroma Key and Compose (see partial list under features)
- Audio: Mix, fade, background

### Color Generators

- Millions of colors

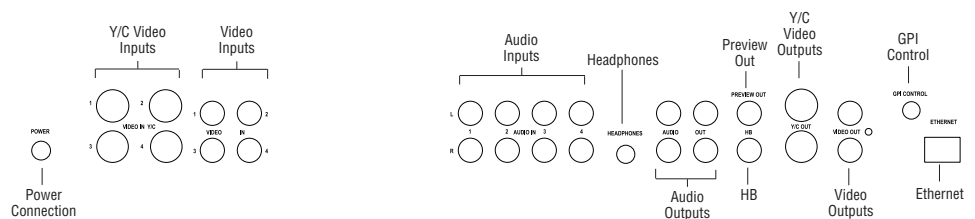
### Video Performance

- Meets long-haul video broadcast specs including CCIR-601 sampling and RS-170A
- Digital conversion: 13.5 MHz, 4:2:2, 10-bit quantization (Y/C); 10-bit quantization (composite)
- Time base meets RS-170A standard
- Compatible with all NTSC video sources and tape formats (PAL version available)
- Unity gain
- S/N Ratio: Greater than 60 dB (Y/C); Greater than 60 dB (composite)
- Horizontal Resolution: 480 TV lines / 576 lines in PAL

### Audio Performance

- Frequency response: Frequency response: 20 Hz-20 kHz, ± 3 dB
- S/N ratio: 80 dB

### Rear Panel Diagram



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