MXPro Digital Video Mixer

MODEL MX-3000

MXPRO: 10-BIT VIDEO QUALITY FOR THE REST OF US.

The leader in affordable, high-quality video technology introduces another first: MXPro™ Professional Digital Video Mixer.

When you're the successor to the industry-leading Videonics MX-1, people expect extraordinary things. MXPro doesn't let them down. First off, there's the 10-bit digital quality video. That's the kind of quality top professionals brag about having. Now you can brag it up, too.

But the goodies don't end there. Natural shapes like stars, hearts, and diamonds let you forget the straightedge restrictions of most mixers.

And MXPro offers color correction capability. While other similarly-priced mixers only offer hue and intensity control, MXPro provides real manual RGB color correction. Color Correction parameters can be selected separately for each channel.

Add in the new effects, an intuitive user interface and upgradable architecture, and MXPro, without a doubt, will be the most productive and cost-effective tool in your video studio.

Once again, Videonics has set a new price/performance benchmark.

Immaculate Video. OK, We Mean Clean. Really Clean.

Videonics' 10 bit (4:2:2) video technology guarantees that the video quality of the MXPro is as good as it can be.

And the MXPro boasts a signal-to-noise ratio of better than 60db and bandwidth of 5.5 MHz. These enhancements, together with Videonics' dual-field Time Base Correction, raises the video quality standard to a new level.

What In the World Would You Do With 500 Effects? Don't Worry, You'll Figure Something Out.

Forget limitations with the MXPro. Over 500 different effects provide a multitude of creative options. Boy, are you going to have fun. What's more, the effects are grouped in a logical way to make it easy to find them quickly when you want them: basic (MX-1 effects), trailing effects, edge wipes and closed shapes.

Each of the MXPro's effects "banks" can be easily accessed with the press of one button. Once you get to know the MXPro layout, you can effortlessly select any effect by using the cursor keys or the numeric keypad.

Create your own custom effects menu. MXPro lets you select up to 30 of your favorite effects and access them instantly by pressing the "User" button. No other mixer has ever been so easy to use!

Transitions can be performed manually using the "take bar," or automatically. MXPro can even memorize a sequence of actions and repeat them for you, on cue.

The GPI interface allows external controllers to trigger transitions. The MXPro's ability to instantly initiate effects makes it the ideal tool for both post-production and live applications.

DV Is The Future. You Can Get There The Hard Way. Or Get MXPro, And Make It Easy.

Videonics creates solutions for today and tomorrow. We designed the MXPro for the future addition of a DV "Firewire" interface. So you can buy MXPro today knowing you can upgrade economically when you and the technology are ready.

When you compare the features, performance, and price of MXPro, there's no doubt. The MXPro Professional Digital Video Mixer is the best value for today and tomorrow.

Videonics has harnessed the latest digital video, integrated circuit and microprocessor technologies, to create a complete production tool with unprecedented benefits.

Call us at 800-338-EDIT for the retailer nearest you.

VIDEONICS

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Product Description

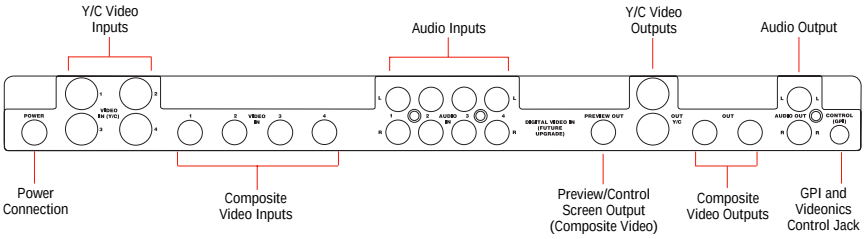
The MXPro is a four-input video production switcher, mixer, frame synchronizer/TBC (Time Base Corrector), Manual Color Corrector and special effects generator.

Features

- 4-Input Synchronized Video Switcher.
- Dual-Field Time Base Correction (TBC) automatically corrects time base to RS-170A standard.
- Over 500 video effects, including fade, wipes, slides, dissolve, zoom, trailing effects, picture-in-picture, picture flip, luminance and chroma key, superimpose, movable mosaic, strobe, picture freeze (frame and field), strobe, posterization (paint), negative, color inverse, zoom, filter.
- Organic shapes such as circle, heart, keyhole, binocular, diamond and star. Sawtooth and curved edge wipes.
- True Manual RGB Color Correction
- Stores 30 "favorite" transitions in a user defined menu.
- Soft edges, colored borders and shadows.
- Multiple Picture-in-Picture & Movable Mosaic.
- Frame or Field Freeze.
- Chroma Key keys on any color.
- Compose "paints" a video picture.
- Combines lines, shapes, and borders in any color with still or moving frames.
- Background color generator creates solid color background behind effects.
- Built-in audio "mixer" with Background Music feature (constant audio independent of video).
- Flexible preview display.
- Manual transitions using T-bar or automatic transitions (10 speeds) using Auto-Take.
- GPI trigger input.
- Sequencer memorizes and repeats user actions automatically.
- S-video (Y/C) and composite (RCA) video inputs on all four channels and on output. Use all S, all composite, or any combination.
- Color bar and black burst generators.
- DV Upgradable.

Specifications

General	• Power Supply: External in-line; 110VAC@60Hz/220VAC@50 Hz universal • FCC/UL/CSA 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. • Ambient temperature: 32-104°F (0-40°C) • Ambient humidity: Less than 90%
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: 8 x RCA connectors, 15 k ohms • GPI: Mini-Jack
Outputs	• Video (PREVIEW and MAIN): 2 x 1.0 Vp-p, 75 ohm, PREVIEW=1x RCA; MAIN=2x RCA Connectors 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, mono signal
Effects	• Video: 503 (see partial list under FEATURES) • Audio: Mix, fade, background
Color Generators	• 2 (background and border), 128 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 • Time base meets RS-170A standard • Compatible with all NTSC video sources and tape formats (PAL version available) • Gain: Unity • S/N Ratio: Greater than 60 dB • Horizontal Resolution: 480 TV lines
Audio Performance	• Frequency response: 20 Hz-20 kHz, ± 3 dB • S/N ratio: 56 dB • Controls and Connectors



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MANL-0710-02