

Extron Electronics

INTERFACING, SWITCHING AND DISTRIBUTION

Displays up to four NTSC or PAL video inputs in scalable windows on single screen

Composite and S-video inputs

Composite and S-video multi-video outputs

Horizontal & vertical sizing, positioning, and blanking controls for each window

Factory/user memories

Built-in stereo audio switcher

RS-232/422 control



MVP 104 MULTI VIDEO PROCESSOR



APPLICATIONS

Extron's MVP 104 is a multi video processor that allows a user to display up to four video signals simultaneously on a single screen. The MVP 104 is compatible with NTSC or PAL signals and offers composite and S-video outputs. Each video window may be independently scaled, positioned, blanked and prioritized for overlapping. For videoconferencing and distance learning applications, the MVP 104 allows participants at the far end to view multiple images on one screen. These images are routed from sources such as document cameras, CODEC cameras, VCRs, or DVD players. For images with audio, the MVP 104 features a four input, one output stereo audio switcher for activating audio associated with any video input. The MVP 104 provides three multi-video outputs available simultaneously as two composite video outputs on BNC connectors and one S-video output on a 4-pin mini-DIN connector.

Each window may be positioned adjacent to each other or overlapped for PIP (Picture In Picture) images. Horizontal and vertical sizing, positioning, and blanking controls are provided for each source. A background color may be chosen to fill any unoccupied area. The windows may be labeled using up to 16 alphanumeric characters for on-screen identification. The MVP 104 features 20 factory and 24 user memories for saving windowing configurations, including horizontal & vertical sizing, positioning, blanking, and priority settings.

The MVP 104 features Extron's exclusive variable horizontal and vertical blanking for each window. During scaling, captioning and tapehead switching in the video's blanking area show up as picture noise. Using vertical blanking, a user may add black lines at the top and bottom of the window to eliminate edge noise. The MVP 104 also offers horizontal blanking on the left and right edges of each window.

FEATURES

- **Inputs** – Accepts up to four NTSC or PAL video inputs. Two inputs are configurable as composite video or S-video, and two inputs are composite video only.
- **Multi-video outputs** – Three multi-video outputs provided simultaneously: two composite video outputs on BNCs and one S-video output on a 4-pin mini-DIN connector.
- **Picture controls** – Provides horizontal & vertical sizing, positioning, and blanking controls for each window.
- **Freeze control** – Includes freeze function to freeze individual windows of the multi-image output. Freezing all windows simultaneously is available through RS-232.
- **Factory/user preset configurations** – Features 20 factory and 24 user memories for one, two, three, or four window display outputs. Configurations include horizontal and vertical sizing, positioning, blanking, and priority settings for each window.
- **Blanking control** – Extron's exclusive variable horizontal and vertical blanking for each window. During scaling, captioning and tapehead switching in the video's blanking area show up as picture noise. Using vertical blanking, a user may add black lines at the top and bottom of the window to eliminate edge noise. The MVP 104 also offers horizontal blanking on the left and right edges of each window.
- **Audio switching** – Features 4x1 audio switcher with 3.5 mm captive screw terminal for selecting the desired audio of any video input.
- **RS-232/422 remote control** – Extron's Simple Instruction Set™ is provided for RS-232 control via third-party control or Extron's Windows®-based control program.
- **Executive mode** – Locks out front panel adjustments; all functions, however, remain active through RS-232.
- **Power supply** – Includes a 100-240VAC, 50/60 Hz, auto-switchable internal power supply.
- **Rack-mountable** – Housed in a 2U, one rack width, metal enclosure.

SPECIFICATIONS

Video Input and Loop-Out

Number/type	(8) Composite, (4) S-video
Connectors	(8) female BNC's, (4) 4-pin mini-DIN
Nominal level.....	.7V to 1V p-Maximum level 2V p-p
Input impedance.....	75 ohm
Input frequency range.....	NTSC/PAL/SECAM

Video Output

Connectors	(2) female BNCs for Composite (1) 4-pin mini-DIN for S-video
Output standards	Composite & S-video
Nominal video level7V to 1V p-p
Impedance	75 ohm
Standards	NTSC/PAL

Audio Input

Number/type	(4) stereo, balanced/unbalanced
Connectors	(4) 3.5 mm captive screw terminals, 5 conductor
Impedance	Unbalanced 50 k ohm, DC coupled Balanced 25 k ohms, DC coupled

Audio Output

Number/type	(1) stereo, balanced/unbalanced
Connectors	(1) 3.5 mm captive screw terminals, 5 conductor

Control System

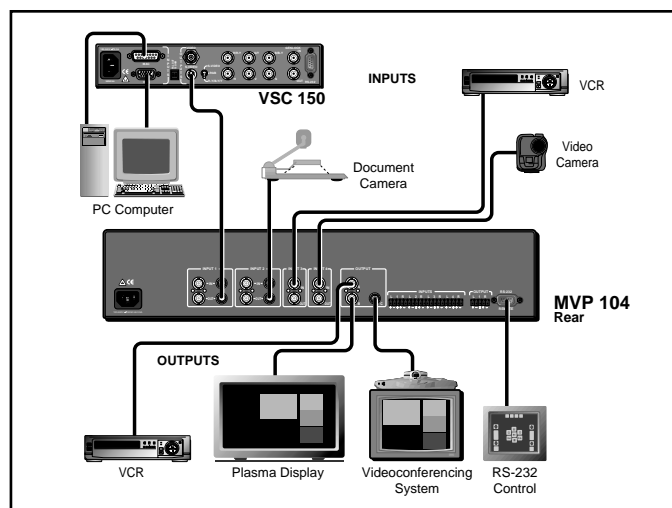
Serial control port.....	9 pin standard RS-232/422
Baud rate	9600
Protocol	8 bit, 1 stop bit, no parity

Physical

Dimensions.....	3.5" H x 17" W x 10.1" D 8.8 cm H x 43 cm W x 25.6 cm D
Input voltage.....	100-240VAC, 50/60 Hz (Internal)
Power requirement	40 Watts
Shipping weight	15 lbs, 6.8 kg

Part Number..... 60-320-01

APPLICATION DIAGRAM



EXTRON ELECTRONICS/RGB SYSTEMS, INC.
1230 South Lewis Street, Anaheim, CA 92805
800.633.9876 714.491.1500 FAX 714.491.1517
U.S.A.

EXTRON ELECTRONICS, EUROPE
Beeldschermweg 6C, 3821 AH Amersfoort
+31.33.453.4040 FAX +31.33.453.4050
The Netherlands

EXTRON ELECTRONICS, ASIA
41B Kreta Ayer Road, Singapore 089003
+65.226.0015 FAX +65.226.0019
Singapore

EXTRON ELECTRONICS INFORMATION
EXTRONWEB™: www.extron.com
EXTRONFAX™: 714.491.0192
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