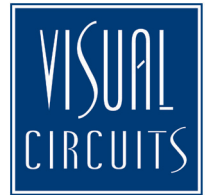


# Firefly MZ™



Meet the complex demands of professional video production with Firefly MZ™ from Visual Circuits, the leader in network-attached digital video. Housed in a compact device, Firefly MZ is perfect for digital signage and visual marketing applications. Firefly MZ offers Multi-Zone™ functionality for the most dynamic and effective visual presentations.

### High-Quality Professional Video With Amazing Versatility

Firefly MZ™ can handle nearly any video application with multiple digital elements. 16-bit graphic overlays can be combined with scrolling text and MPEG video to create a visually stimulating experience.

In addition, Firefly MZ supports a wide variety of media formats in both NTSC and PAL video standards. It decodes MPEG-1, MPEG-2 and encrypted DVD files. It also supports common graphic file formats in 16-bit brilliance, with the ability to apply both graphic transitions and selected levels of transparency.

### Add New Dimension and More Professionalism

The Multi-Zone capability adds a whole new level of creativity to complex digital media presentations. Firefly MZ allows users to designate 'zones' within a display screen (flat panel, plasma, LCD or TV) and assign different formats of digital content to play within each assigned zone. The result is the industry's long-awaited ability to integrate high-resolution, rich-content graphics with dynamic video and scrolling text messages—simultaneously.

#### Firefly MZ—

Designed for all professional digital signage and visual marketing applications:

- Retail
- Hospitality
- Entertainment
- Public Transportation
- Corporate Communications
- Banking and Finance
- Healthcare
- Education



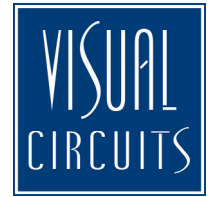
### Reliable and Flexible — Just the Way You Need It

Firefly MZ is engineered for 24x7x365 operation and network-attached remote management. Media Messenger™ software lets you assign the digital elements to screen zones, and manage and distribute digital content via the Internet.

(continued on back)



# Firefly MZ Technical Specifications



<b>VIDEO DECODING</b>	MPEG-1 ISO 11172 MPEG-2 ISO/13818-2 4:2:0 program streams (video and audio) NTSC/PAL transcoding Constant or variable bit rate decoding 12 Mbps maximum bit rate (includes text) Content can be encoded in various aspect ratios; including 4:3 and true 16:9
<b>MULTI-ZONE* OUTPUT:</b>	DVI
<b>FULL-SCREEN VIDEO:</b>	Component, DVI-I, composite & RGB (sync on green) via female BN
<b>GRAPHICS</b>	16-bit video overlay with adjustable transparency and fade transitions (BMP, JPG, GIF, TIF, TGA & PNG) Adjustable screen position 256-level alpha blending (0-255) Multi-Zone regions
<b>NETWORKING</b>	10/100 Mbps ethernet via RJ-45 IP addressing: Static or DHCP
<b>SERIAL AND ETHERNET CONTROL</b>	AMX, Leightronix, Crestron and Visual Circuits Library Protocol
<b>INTERNAL STORAGE</b>	Standard 40GB (optional up to 120GB) — 14 hours of video, based on DVD quality (6 Mbps) encoding rate. Does not include space occupied by graphic overlays.
<b>AUDIO DECODING</b>	MPEG layer II Stereo
<b>OUTPUT</b>	Unbalanced stereo via Phoenix (AWG 28-22 wire) Stereo or Dolby Digital™ via SPDIF
<b>SOFTWARE</b>	Media Messenger™ for managing and distributing media via FTP to a single Firefly MZ player and assigning digital elements to designated zones as specified.
<b>DIMENSIONS</b>	4.45 cm (1.75 inches) high (1RU) x 25.4 cm (10 inches) wide x 20.1 cm (8.25 inches) deep.
<b>WEIGHT</b>	Approximately 1.81 kg (3.5 lbs.)
<b>POWER</b>	Supply in: 100-240 VAC, 50/60Hz, 37 watts average Supply out: 12 VDC, 18 watts average
<b>TEMPERATURE RANGE</b>	0° - 40° Celsius continuous operation (0° - 45° short-term)
<b>CERTIFICATION / REGULATION</b>	FCC - Part 15, Class A; CE

\* Media Messenger software required to utilize Multi-Zone feature.



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