MANTIS™
MG

VISUAL CIRCUITS
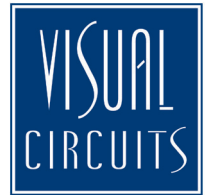
Mantis MG™ addresses the enterprise requirements of deploying multiple digital media applications within big-box settings — across many locations. Its "Media Gateway" features include content caching, media management and playback, network monitoring and control, and 3rd-party device control. Most importantly, with a modular design and its Media Messenger companion software, Mantis MG scales effortlessly across multiple applications, regardless of the number or type of media output channels.

One Device for Multiple Media Applications

Using digital media to inform, influence and entertain consumers creates challenges for those who develop content and those who manage technology. Until now, media "strategies" calling for unique combinations of video and graphics have required unique solutions for each application. The result is an odd collection of devices and procedures, and little economic or operational efficiency. Mantis MG restores order to the enterprise.

Flexible and Expandable

Mantis MG offers scheduled, live or interactive playback in nearly any media format while supporting up to 4 HD or 8 SD (or a combination of the two) independent outputs from a single rack mount system. Its modular expansion chassis starts with two output channels and expands both number and type of media outputs as requirements change and grow. Moreover, the tools used to manage, schedule, distribute and audit content throughout the enterprise — such as Media Messenger™ and WebView™ — bring consistency and efficiency to the process.

> ## FEATURES
- Centralized architecture supports multiple "big box" media applications
- Expansion ports of up to 8 outputs
- Standard and high-definition video output in analog and 8vsb formats
- 32-bit accelerated graphics output
- Broadcast quality up- and down-conversion scaling
- Dolby Digital™ output
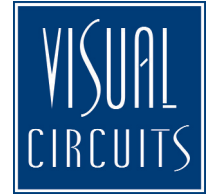- Industrial reliability with hardware watchdog
- SmartCard convenience

> ## NETWORKING and CONTROL
- SNMP support
- Satellite and terrestrial multicast support
- Content updating via FTP or HTTP
- Media Messenger™ software for scheduling and content distribution
- WebView™ browser-based user interface
- TCP/IP or serial control with Visual Circuits protocol

Mantis MG—
Supporting diverse enterprise-level multi-media applications in a single, robust device.

Mantis MG Technical Specifications

BASE SYSTEM:
Visual Circuits' Gemini 2 Universal Media Card
SmartCard
IR Remote Control
4 slot AV I/O expansion chassis
120GB HDD storage
CD/DVD drive

EXPANSION OPTIONS:
Gemini 2 (2-channel)
Gemini 1 (1-channel)
2nd HDD (120 GB)

Gemini (per channel)
• NTSC, PAL
• Decodes all 18 ATSC formats up to 1920x1080
• 16:9, 4:3, 5:4 aspect ratios
• Advanced up-scaling to 1920x1080
• CVBS, S-video, Component (PbPrY) or RGBHV per channel
• 32-bit OSD; 256-level transparency
• 32-bit high resolution accelerated graphics

HD-RF
• 8vsb digital RF output
• 19.39 mbps
• Fixed on channel 2

NETWORKING:
10/100 Mbps Ethernet
Integrated KenCast FAZZT™ client (option)
FTP, HTTP auto-updating

SERIAL AND ETHERNET CONTROL:
AMX, Leightronix, Crestron certified
Visual Circuits and LDP protocol libraries
3rd party device (e.g., display, projector) control through scheduled serial
command scripts

AUDIO:
Stereo or Dolby Digital™ via S/PDIF; stereo analog
Two-channel analog audio output
MPEG Layers 1, 2, 3

SOFTWARE:
WebView — HTML-based setup, monitor and control interface. Requires Internet
Explorer 5.5 or higher
Media Messenger — for managing and distributing media via FTP to a single
Mantis MG server
Media Messenger Multi-player version (optional) — for managing and distributing
media via FTP or multicast to groups of networked Mantis MG servers

PHYSICAL:
13.34 cm (5.25") high (3RU) x 43.18 cm (17") wide x 43.82 cm (17.25") deep

WEIGHT:
Approximately 6.8 Kg (15 lbs)

POWER:
100-240 VAC, 50/60Hz, 90 watts average

TEMPERATURE RANGE:
0° - 40° Celsius continuous operation (0° - 65° C short-term)

CERTIFICATION / REGULATION:
FCC - Part 15, Class A; CE