GRANITE PRECISION INC.

Advancing Technology in the Entertainment Industry

Integrated Media Server

The IMS is a show in a box!

The Integrated Media Server

- Audio, Video, Lighting, Animation, and Control — all on board!
- Frame-Accurate
- Network-enabled
- Park-wide scalability
- Intuitive to Program
- Easy Media Loading

GRANITE PRECISION INC.

2305 Alpen Ct. Ste. 201 | Pine Mountain Club | CA 93222-5476 | www.graniteprecision.com

Toll Free: 877.2.IMS.GPI
Phone: 661.242.2420
Fax: 661.977.9729
Email: sales@graniteprecision.com

What are the 3 most important aspects of selecting a show controller and media servers for any given theme park show?

1. *The equipment purchased works together properly and handles the technical needs of the show.*
2. *Programming and Testing goes smoothly and quickly, even for tighter than desirable schedules.*
3. *The equipment purchased does so for the least amount of money.*

What if you could purchase *only one* piece of equipment that would meet those criteria every time?

You can! The Integrated Media Server™ is a show controller and media server combined into one 4U rack-mounted unit. You can combine high definition video, standard definition video, audio, lighting, and animation playback, along with control interfaces such as Ethernet, Serial, SMPTE LTC, MIDI, PLC, and digital or analog I/O.

The key word is *Already*. Often, the need for control interfaces is reduced because the media playback devices are *already* included. They are *already* connected, and *already* working from show control *out-of-the-box!* Everything is *already* guaranteed to be synchronized together, and ready-to-go with no complicated protocols. In many cases, media playback for a given channel can be handled with one line of show control programming!

Less is More. So if you're looking for an easy way to get your show going, with *less* rack space used, *less* time spent wiring the equipment, *less* time spent programming and *less* money spent, then look no further than Granite Precision's Integrated Media Server™.

Several Ordering Options

The IMS is a 4U high rack-mounted embedded show-controller and media playback device. It can be ordered as a standard model or you can custom design your own configuration. Programming is done with our included Braintrust software.

Option 1: Standard Models

3HD1: 3 high definition video channels
6HD1: 6 high definition video channels
8SD1: 8 standard definition video channels
24A1: 24 balanced audio channels out, 6 channels in, with realtime mixing included

With each standard model IMS you get your choice of one of the following external interfaces: Ethernet, Serial, Digital I/O, midi, or SMPTE LTC. Any standard model IMS can be upgraded to a custom configuration IMS at the time of purchase, or even in the field!

Option 2: Custom Configuration

Want the ultimate in flexibility? You can design a custom configuration IMS with a mix and match of up to 11 of any of the audio, video, lighting, animation, and show control modules described below. Modules such as audio, lighting, serial, digital and analog I/O come in multiple channels per module; the rest are one channel per module. Contact us, and we'll help you configure a custom-designed IMS to fit your show needs today!

Standard Model and Custom-Designed IMS Media and Show Control Module Technical Descriptions:

Standard Definition Video: Up to 16 channels of standard-def broadcast quality 4:2:2 NTSC/PAL/SECAM video with SDI, S-Video, composite interfaces, as well as built-in AES3/balanced/unbalance audio. 16:9 native, or pan-and-scan for 4:3.
High Definition Video: Up to 8 channels of broadcast quality 1920x1080i, 1280x720p, 720x480p, 720x480i video with HD-SDI, DVI, RBG, RGBHV, and YPbPr outputs. 6 AES3 digital audio channels. 16x9 natively, or pan-and-scan for 4:3.
Audio: Up to 96 channels of 96 kHz 24 bit or 48 channels of 192 kHz 24 bit digital audio with balanced or AES3 interfaces with included **real-time mixing and level setting**.
Lighting: Up to 32 DMX-512 lighting universes, up to 16,384 lighting channels.
Analogue I/O: Up to 96 16 bit analogue outputs or 192 12 bit analogue inputs with unipolar or bipolar 10 VDC interfaces.
Digital I/O: Up to 1024 channels of individually configurable digital inputs and outputs. Wet or Dry interfaces.
Serial Ports: Up to 256 RS-232/RS-422/RS-485 or midi serial ports rated to 115K baud with multiple protocols supported.
SMPTE and Midi: Up to 32 simultaneous SMPTE LTC input/output streams and 16 midi interfaces.
Ethernet Ports: Up to 16 10/100/1000 Ethernet ports can be connected, supplying unit connectivity and Internet connectivity.
Remote IO: Unlimited digital and analogue remote I/O via Ethernet distribution.
PLC Communication: Communicate bi-directionally with Allen Bradley memory spaces for ControlLogix, MicroLogix, SLC, and PLC5 via Ethernet distribution.