

Hippotizer HD



The Hippotizer HD

The visual powerhouse behind many of the world's greatest events, Hippotizer HD continues to go from strength to strength. New software harnessing the power of the Hippotizer HD's top flight hardware means the best High Definition performance seen on any server to date.

The custom designed chassis, unique to Green Hippo, provides assured durability for life on the road and professional connectors all round means reliability and ease of use is unsurpassed in its class. Complemented by a range of optional hardware to allow interface with almost any industry standard protocol or signal, Hippotizer HD is the ultimate solution for realtime video playback on any live event.

Full support for output splitters allows endless possibilities for multi-screen configurations assisted by VideoMapper and UberPan components for even the most complex screen layouts. Add HippoNet, Green Hippo's unique networking protocol, and the Hippotizer HD makes light work of any task, especially in multi-server applications.

With 16 media layers and a further 16 mask layers, Hippotizer HD is ready for the most demanding situations. A video powerhouse backed up with the ultimate toolkit for anything a show may spring on you.

When compromise isn't an option Hippotizer HD is the only choice.

Main features

- Full HD playback with unrestricted output resolution
- Compatible with most industry standard output extenders
- Wide range of input options including HD-SDI, DVI, VGA & Composite
- 8 layers of simultaneous HD playback without dropping frames
- Class leading video playback and real-time rendering
- 16 media layers (+16 mask layers)
- PixelMapper with unrestricted number of output universes
- 4U rackmount case
- Touring case with professional connections
- 2 FX engines per layer - 100+ effects per FX engine
- Frame accurate synchronisation across multiple servers
- Media Manager with live media updating
- ScreenThief for Ethernet video capture
- Keystone and ScreenWarp for non-linear projection surfaces
- Soft-edge blending
- Timeline for stand-alone operation
- HippoNet
- External control via DMX/MIDI/TCP-IP/OSC/RS232
- High performance 3D show visualisation integration via CITP and HMap2
- Map to the most complex LED setups using the award winning VideoMapper
- Create stunning multi-screen shows with UberPan controller driving upto 12 render modes *
- Use LiveMask to create complex masks in realtime to project onto complex scenery or buildings *

*Available with version 3.1

www.hippotizer.com

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Green Hippo is constantly improving its product range, so specifications are subject to change.



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Technical Data Sheet January 2011

Physical

Dimensions: 470 x 585 x 177mm (18.50 x 23.03 x 6.97 inches)

Weight: 25kg

Case Type: 4 U 19" Rackmount

Boxed For Shipping: 540 x 710 x 305mm (21.26 x 27.95 x 12.00 inches)
(LxWxH)

Environmental Tolerances:

Operating Temp. Range: 5° - 35°C (40° - 95°F)

Humidity: 5% - 95% (non condensing)

Altitude: 0-8850ft (0 - 2700m)

Hardware

Voltage: 108 - 240v 50-60Hz Auto Switching

Power Consumption: 3.5 amps

Media Drives: 2

Total Media Storage Space: Over 25h HD / 75h SD content

Pro-Connectors / Breakout Panels: Yes

Inputs and Outputs

Outputs: Two unrestricted video output using VGA / RGBHV, DVI
Control outputs using RS232, Ethernet control, DMX over Ethernet and HippoNet

Compatible Output Splitters: Matrox DualHead2Go and TripleHead2Go, EMSiVU4, Datapath x4

Max Output Resolution: 2 outputs @ 1920 x 1080 +
(using output extenders) 6 outputs @ 1280 x 1024
8 outputs @ 1024 x 768
8 outputs @ 1280 x 720

Video Inputs: 1 x HD-SDI, 1 x DVI/VGA, 2 x DVI/VGA, 4 Composite, ScreenThief Ethernet Capture, Single Composite, Single SDI

Audio, Control & Patching

Audio: Audio playback on separate layers, Volume and balance control, Multi-channel audio playback and Master volume control **

Control: RS232**, Midi**, DMX over Ethernet and TCP/IP, OSC and DMX512**

Patching: Basic patching of DMX, Midi and RS232, Midi 'Learn' patch, Diagnostics

Media

Supported Media Formats: Quicktime, MPEG1, MPEG2, AVI, DIVX, Windows Media, MPEG4, DV, PNG, JPEG, BMP, TIFF, TGA, Image sequences

Maximum Media Size and Playback Resolution: 1920 x 1080

Maximum Number of Media Layers: 16 (+ 16 x mask layers)

Media Management: Remote media upload, Automatic media conversion, Drag & drop media upload and mapping, Live media update, Media thumbnails, 256 media groups, 256 clips per group, Network synch, Show backup

Media Playback: Inter-frame blending for super slow motion, Inpoint and outpoint adjustments, Playmodes (loop forward, loop backwards, once forwards, once backwards, ping pong, random, pause, rewind on Level 0), Sync to Hippotizer, Sync to Timeline, Alpha channel support, Media generators (rain, snow, clouds, starfields etc), Text Engine and Audio mix playback mode

Media Manipulation: Geometry control, Colour control (basic & advanced), 16 mix modes, 18 digital effects engines, Up to 9 effects parameters per layer, Transitions, Effects / Transitions editor

Show Programming: Unlimited Groups, Presets, Tracks and Timelines, Timeline copy and paste, Fadecurve editing, Timeline Logic, Cue Controller, Control non Hippotizer devices from Timeline, SMPTE and MTC synchronisation, Fast drag & drop playlist per layer

Show Pre-visualisation: HMap2 and CITP for streaming real-time output via local network.
Compatible visualisers: Light Converse, WYSIWYG, ESP Vision (coming 2011), Capture

Components

PixelMapper: No software limitations on number of output universes, Fixture designer, Personalities for fixtures included, Drag & drop mapping interface, Flexible source mapping, Full Kinet Tier 2 and Artnet auto discovery*

VideoMapper: Tile Wizard, Intuitive drag & drop interface, Independent scale and rotation for each tile, support for output extenders, colour correction per tile, up to 255 VideoMaps with instant switching

TextManager: Import full text files, Quick text, Any font and size, Unicode support (non standard character set i.e. Chinese or Swedish), Animation and Image support

Other Components:

Scheduler
Automation tracking
Chat
HMap2 & CITP
PinBridge
PhatController
TelNet Control
ToolBox
OSC
Colour correction
BeatBridge
Synchro Component
HippoSnapper

- Trigger timelines or events from a clock
- Follow scenic stage elements
- Communicate with other crew members
- Lighting console and visualiser integration
- Remap and group control pins
- Control external devices via RS232 or TCP/IP
- TCP/IP interface to HippoNet
- Remote wakeup and shutdown of units
- Open Sound Control interface
- Full Gamma curve control of the outputs
- Audio analysis
- Synchronise media players
- Grab layers or output and save as image

* Available with version 3.1

** Yes - requires optional interface

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