

# Hippotizer HD

## Technical Data Sheet

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### 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

[www.hippotizer.com](http://www.hippotizer.com)

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



# Hippotizer HD

## Physical

**Dimensions:** 470 x 585 x 177mm (18.5 x 23.0 x 6.9 inches)

**Weight:** 25kg (55.11lbs)

**Case Type:** 4 U 19" Rackmount

**Boxed For Shipping:** 540 x 710 x 305mm (21.3 x 27.9 x 12.0 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:** 4 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, 2 x HD-SDI, 1 x HD-SDI/HDMI/YUV/  
S-Video/Composite, 1 x DVI/VGA, 2 x DVI/VGA,  
(2 optional cards can be fitted)  
1 x DVI/VGA + 4 x Composite, 8 x Composite,  
ScreenThief Ethernet Capture

## 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

**UberPan:** Link in as slave, 12 slave (outputs) when used as Master, Virtual Media Manager, Media synchronisation, Media splitting, Canvas splitting, Support for 4 canvases & configurations

**LiveMask:** Draw a mask directly into any layer or the master output, Vector based splines or lines, Create and access up to 255 masks

**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

\*\*Yes - requires optional interface

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