Section	Function	NEW	HD	GrassHopper	HippoPortamus	Critter Rackmount
Package						
	Hardware or Software		Hardware and Software			
	Protection		USB Dongle			
	Pre-installed media		Rosco Gobo Library (1000+), 30 Masks, 50 Wipes, 100 mixed animated Movie Clips			
	Optional media packs		Hippo Feed Volumes 1 - 20			
Hardware						
	Physical Size		585mm x 470mm x 177mm	438mm x 405mm x 89mm	395mm x 280mm x 40mm	470mm x 310mm x 45mm
	Case Type		4u 19" Rackmount	2u 19" Rackmount	Laptop	1u 19" Rackmount
	Voltage		108 - 240v AC 50-60Hz Auto Switching	107 - 240v AC 50-60Hz Auto Switching	108 - 240v AC 50-60Hz Auto Switching	108 - 240v AC 50-60Hz Auto Switching
	Power Consumption		3.5 amps	2.5 amps	1.5 amps	2 amps
	Total Media Storage Space		Over 25h HD / 75h SD content	Over 25h HD / 75h SD content	Over 15h HD / 50h SD content	Over 50h SD content
	Pro-connectors / Breakout panels		Yes	Optional	No	Optional
Outputs						
	Compatible output splitters	✓	Matrox TripleHead2Go, EMS iVU4, Datapath x4	Matrox TripleHead2Go, EMS iVU4, Datapath x4	Matrox TripleHead2Go, EMS iVU4, Datapath x4	None
	Max output configurations	✓	8 x 1024 x 768	4 x 1024 x 768	4 x 1024 x 768	1 x 1920 x 1080
		✓	8 x 1280 x 720	4 x 1280 x 720	2 x 1280 x 1024	
		✓	6 x 1280 x 1024	3 x 1280 x 1024	1 x 1920 x 1080	
		✓	4 x 1920 x 1080	2 x 1920 x 1080		
	VGA / RGBHV		2	1	1	1
	DVI		2	1	1	1
	Parrot output EDID manager	✓	Yes	Optional	No	Optional
Media Management						
	Supported media formats		Quicktime, MPEG1, MPEG2, AVI, Windows Media, MPEG4, DIVX, DV, jpg, png, bmp, tiff, tga			
	Key Features		Remote media upload, Automatic media conversion, Drag and Drop Media upload, Live media update, Media Thumnails			
	DMX media groups		256			
	Max number of clips per DMX group		256			
	Maximum media size		1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720 / 1024 x 768
Media Playback						
	No. of media layers	✓	16	8	6	4
	Maximum playback resolution	✓	1920 x 1080	1920 x 1080	1920 x 1080	2 x 1280 x 720 / 4 x 720 x 576
	Key Features		Inter Frame Blending for Super Slow Motion, Inpoint/Outpoint adjustment, Sync to Timeline, Alpha Channel Support, Drag and drop independent playlist per layer, Auto mix playback mode with transitions, Text Engine			
	Play Modes		Loop forwards, loop backwards, once forwards, once backwards, ping pong, random, pause / rewind on Level 0			
	Sync to Timecode		MTC + SMPTE (requires interface)			
	Sync to Hippotizer		Yes - 16 channels master / slave			
	Media Generators (pattern generators)		Yes, (including rain, snow, clouds, starfield etc...)			
Audio						
	Key Features		Audio Playback on seperate Layers, Volume / Balance control, Multi Channel Audio Playback, Master Volume			
Media layer image manipulation						
	Geometry control		XY position, zoom, rotate, aspect ratio, pixel 1:1			
	Colour control		CMY additive/subtractive, RGB (advanced low, mid, high tones), negative, contrast, brightness			
	Mix modes		Additive, subtractive, darken, lighten, difference, softlight, hardlight, softinverse, matte, lumake, screen, sprite, alpha			
	Digital effects engines	✓	32	16	12	8
	Effects		Over 70 hardware accelerated effects including Blur, motion blur, chromakey,3D effects and colour effects.			
	Effects parameters		up to 9 parameters per effect plus level			
	Effects / transitions editor		Yes			
	Transitions		Yes (in 2 layer mode)			
	Free form mask	✓	Yes (full spline editor per layer with 256 independent masks)			
Control						
	RS232		Yes (optional)	Yes	Yes (optional)	Yes
	Midi		Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)
	DMX512		Yes (optional)	Yes (optional)	Yes (optional)	Yes (optional)
	DMX over Ethernet		Yes, Artnet	Yes, Artnet	Yes, Artnet	Yes, Artnet
	TCP/IP		Yes	Yes	Yes	Yes

All specifications are correct at time of publishing and is based on currently available hardware and the present version of software.

Function	NEW	HD	GrassHopper	HippoPortamus	Critter Rackmount
Master Layer					
Geometry control		XY position, zoom, rotate			
Colour control		CMY additive/subtractive, RGB, negative, contrast, brightness			
Geometric correction		4 point Keystone plus ScreenWarp			
Digital effects engine		2/4	2/4	2	2
Soft Edge blending		Yes	Yes	Yes	Yes
Display splitter supported	✓	Matrox TripleHead2Go, EMS iVU4, Datapath x4	Matrox TripleHead2Go, EMS iVU4, Datapath x4	Matrox TripleHead2Go, EMS iVU4, Datapath x4	No
Full Gamma Control		Yes			
Inputs					
Max cards	✓	2	1	No	
Optional input cards		Single or Dual DVI (supports VGA & HDMI)			No
	✓	Single, Dual HD-SDI			
	✓	DVI + 4 x Composite			
	✓	8 x Composite			
	✓	Single analogue/digital (HD-SDI / HDMI / YUV / S-Video / Composite)			
Single composite input		No	No	Yes (optional)	Yes
ScreenThief Ethernet Capture		Yes	Yes	Yes	Yes
Show Programming					
No. of Timelines & Presets		Unlimited			
Key Features		Fadecurve editing, Timeline Copy / Paste, Timeline Logic (goto, loop etc..), Control non Hippotizer Devices from Timeline, Cue Controller, Timeline in Timeline, SMPTE and MTC timeline synchronisation, Fast Drag and Drop Playlist per layer			
Number of Tracks		Unlimited			
3D Show previsualisation		Yes - Compatible visualisers: Light Converse, WYSIWYG, ESP Vision , Capture			
Configuration					
Key Features		Show Save / Load / Transfer, Local configuration, remote startup / shutdown, Central configuration for multiple units			
PixelMapper					
Number of output universes		No software limitations			
Fixture types supported		RGB, RGBi, CMY, CMYK and Level only			
Key Features		Flexible source mapping, Subgroup SuperSampling, drag and drop mapping interface, Fixture library included, Fixture designer, Control channel mapping , shutter control of fixtures, Kinet auto discovery, 16 bit fixture support			
VideoMapper					
Key Features		Tile Wizard, intuitive drad and drop interface, independent scale and rotation for each tile, support for output extenders, colour correction per tile, Instant switch between up to 255 videomaps, Rescale input or output resolution			
UberPan					
Link in as Slave	✓	Yes	Yes	Yes	Yes
Max number of slaves	✓	Unlimited	8	8	4
Key Features		Virtual Media Manager, Media synchronisation, Media Splitting, Canvas designer			
Support for multiple Canvases and Configurations	✓	Unlimited	2	2	1
User Interface					
Key Features		Remote control, Remote preview, Remote configuration, Free form layout design, Save your own desktop, New and Improved Layout and look			
Text Manager					
Key Features		Import full text files, quick text - text on the fly, any font and size, unicode support (non standard character sets, i.e. Chinese or Swedish), Image support			
Animation		Fade, scroll, tickertape			
Other Components					
Live Mask		Draw a mask directly onto any layer or the master output. Create and access up to 255 masks			
Scheduler		Trigger timelines and events from a clock			
Automation Integration		Synchronise parameters with stage automation systems			
HMap 2 Server & CITP (1.0, 1.1, full MSEX)		Lighting console and visualiser integration			
Phat Controller		Control external RS232 or TCP/IP devices			
TelNet Control		Remote control via ethernet			
BeatBridge		Parameter control via Audio			
Colour Correction		Detailed colour and gamma curve correction			
OSC		Open Sound Control - remote control via this protocol			
PinBridge / PinBridge Plus		Link controllers together / add logic or maths to their values			
Synchro Component		Synchronise any 2 or more media players			
HippoSnapper		Take a snapshot of any layer and import to media manager			

www.hippotizer.com
Unit 307, Parma House, Clarendon Road, London, N22 6UL, UK TEL: +44 (0)203 301 4561 FAX: +44 (0)208 889 9826

Green Hippo