

	TIERRA+ (DP)	MONTANE+ (DP)	TAIGA+ (DVI-DL)	TAIGA+ (DP)	BOREAL+ (DVI-DL)	BOREAL+ (SDI)	BOREAL+ (DP)
<b>Connectivity</b>							
Outputs	4x DP 1.2	2x DP 1.2	6x DVI-DL	6x DP 1.2	4x DVI-DL	4x SDI	4x DP
Max Resolution: DP	4096 x 2160	4096 x 2160	-	4096 x 2160	-	-	4096 x 2160
Max Resolution: DVI	-	-	3840 x 1200	-	3840 x 1200	-	-
Max Resolution: SDI	-	-	-	-	-	2048 x 1080	-
Supports splitters	Yes	Yes	Yes	Yes	Yes	No	Yes
Genlock	Yes	No	Yes	Yes	Yes	Yes	Yes
EDID Emulation	Software	No	Software	Software	Software	Hardware	Software
HD Outs (With splitter)	16	8	12	24	8	4	16
ZooKeeper Outs	2x DVI	2x DVI	2x DVI	2x DVI	2x DVI	2x DVI	2x DVI
<b>Software</b>							
Mixes	No limit	No limit	No limit	No limit	16	16	16
Layers per mix	16	16	16	16	16	16	16
Notch playback license	Optional	Included*	10 Free FX	10 Free FX	10 Free FX	10 Free FX	10 Free FX
Uncompressed playback	Supported	Supported	Supported	Supported	Supported	Supported	Supported
<b>Options</b>							
Capture Cards	2	2	2	2	2	2	2
10GB Network	Built in	Option	2x 10GB Standard	2x 10GB Standard	Option	Option	Option
SMPTTE in (LTC)	Option	Option	Option	Option	Option	Option	Option
<b>System &amp; Hardware</b>							
Media Drive size	3.8TB	2TB	4TB	4TB	2TB	2TB	2TB
Media Drive speed	3000 MB/s	2000 MB/s	4000 MB/s	4000 MB/s	2000 MB/s	2000 MB/s	2000 MB/s
CPU	AMD EPYC	Intel i7	Intel Xeon	Intel Xeon	Intel i7	Intel i7	Intel i7
Operating system	Windows 10	Windows 10 Enterprise	Windows 10 Enterprise	Windows 10 Enterprise	Windows 10 Enterprise	Windows 10 Enterprise	Windows 10 Enterprise
# Threads (cores)	16(32)	8(4)	12(6)	12(6)	8(4)	8(4)	8(4)
Core Speed	3.6 GHz	3.6 GHz	3.6 GHz	3.6 GHz	4.2 GHz	4.2 GHz	4.2 GHz
RAM	64GB	32GB	64GB	64GB	32GB	32GB	32GB
Type	DDR4	DDR4	DDR4	DDR4	DDR4	DDR4	DDR4
Audio In	Stereo XLR	Stereo XLR	Stereo XLR	Stereo XLR	Stereo XLR	Stereo XLR	Stereo XLR
Audio Out	Stereo XLR	Stereo XLR	Stereo XLR	Stereo XLR	Stereo XLR	Stereo XLR	Stereo XLR
System Drive	500GB SSD	500GB SSD	500GB SSD	500GB SSD	500GB SSD	500GB SSD	500GB SSD
Back-Up Factory Image	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rental Restore Image	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Restore Image	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hippotizer License	Hardware Dongle	Hardware Dongle	Hardware Dongle	Hardware Dongle	Hardware Dongle	Hardware Dongle	Hardware Dongle
Hardware Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year
Hippotizer V4+ minimum software	V4.3	V4.3	V4.3	V4.3	V4.3	V4.3	V4.3
<b>Physical</b>							
Size RU	4U	4U	4U	4U	4U	4U	4U
Size (L x W x H mm)	630 x 425 x 175	630 x 425 x 175	630 x 425 x 175	630 x 425 x 175	630 x 425 x 175	630 x 425 x 175	630 x 425 x 175
Size (with Rack Ears)	670 x 480 x 175	670 x 480 x 175	670 x 480 x 175	670 x 480 x 175	670 x 480 x 175	670 x 480 x 175	670 x 480 x 175
Unit Weight	27kgs	27kgs	27kgs	27kgs	27kgs	27kgs	27kgs
Power Input	PowerCon True 1	PowerCon True 1	PowerCon True 1	PowerCon True 1	PowerCon True 1	PowerCon True 1	PowerCon True 1
Voltage	100- 250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz	100-250V 50/60Hz
Power Consumption	1200VA	800VA	1100VA	1100VA	800VA	800VA	800VA
<b>Mounting</b>							
Front & Rear ends included	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rack drawer compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Performance</b>							
Notchmarks	39,816	27,308	17,000	17,000	15,000	15,000	15,000
Notch	Optional	*2 year playback license	10 Free FX included	10 Free FX included	10 Free FX included	10 Free FX included	10 Free FX included



	KARST+ (DVI-DL)	KARST+ (SDI)	KARST+ (DP)	AMBA+ (DP or DVI-DL)	NEVIS+	PREP
<b>Connectivity</b> Outputs Max Resolution: DVI Max Resolution: SDI Max Resolution: DP Supports splitters Genlock EDID Emulation HD Outs (With splitter) ZooKeeper Outs	2x DVI-DL, 1x DP 1.2 3840 x 1200 - 4096 x 2160 Yes No Hardware 4, 4 1x DVI, 1x DP	2x SDI, 1x DP 1.2 - 2048 x 1080 4096 x 2160 Yes, DP only Yes Hardware 2, 4 1x DVI, 1x DP	2x DP - - 4096 x 2160 Yes Yes Software 8 1x DVI, 1x DP	1x DP 1.2 or 1x DVI 3840 x 1200 - 4096 x 2160 Yes No No 4 2x DVI	1X DP 1.2 4096 X 2140 - - Yes No Software 2 1x DP 1.2	Unlimited (Watermarked) - - - - - -
<b>Software</b> Mixes Layers per mix Notch Uncompressed playback***	12 16 10 Free FX No	12 16 10 Free FX No	12 16 10 Free FX No	6 16 10 Free FX No	2 16 10 Free FX No	No limit 16 10 Free FX Hardware dependant
<b>Options</b> Capture Cards 10GB Network SMPTE in (LTC)	1 Option Option	1 Option Option	1 Option Option	1 Option Option	No No No	
<b>System &amp; Hardware</b> Media Drive size Media Drive speed CPU Operating system # Threads (cores) Core Speed RAM Type Audio In Audio Out System Drive Back-Up Factory Image Rental Restore Image User Restore Image Hippotizer License Hardware Warranty Hippotizer V4+ minimum software	1TB 500 MB/s Intel i5 Windows 10 Enterprise 4(4) 3.5 GHz 16GB DDR4 - Stereo XLR 500GB SSD Yes Yes Yes Hardware Dongle 1 Year V4.3	1TB 500 MB/s Intel i5 Windows 10 Enterprise 4(4) 3.5 GHz 16GB DDR4 - Stereo XLR 500GB SSD Yes Yes Yes Hardware Dongle 1 Year V4.3	1TB 500 MB/s Intel i5 Windows 10 Enterprise 4(4) 3.5 GHz 16GB DDR4 - Stereo XLR 500GB SSD Yes Yes Yes Hardware Dongle 1 Year V4.3	500GB 500 MB/s Intel i3 Windows 10 Enterprise 4(2) 4 GHz 16GB DDR4 Stereo 1/8" Stereo 1/8" 500GB SSD Yes Yes Yes Hardware Dongle 1 Year V4.3	500 GB 500 MB/s AMD Ryzen Windows 10 4(8) 4.6 GHz 8GB DDR4 3.5mm TRS 3.5mm TRS 500GB SSD Yes Yes Yes Hardware Dongle 1 Year V4.5.4	<b>Minimum Hardware specifications</b> Windows 8 or 10, 64bit 4GB RAM 8GB Drive space on system drive English Windows (UK or US) English Keyboard (UK or US) OpenGL 4.3 Compatible Disable Windows DPI scaling
<b>Physical</b> Size RU Size (L x W x H mm) Size (with Rack Ears) Unit Weight Power Input Voltage Power Consumption	2U 600 x425 x 90 630 x 480 x 90 16kgs PowerCon True 1 100-250V 50/60Hz 500VA	2U 600 x425 x 90 630 x 480 x 90 16kgs PowerCon True 1 100-250V 50/60Hz 500VA	2U 600 x425 x 90 630 x 480 x 90 16kgs PowerCon True 1 100-250V 50/60Hz 500VA	1U 420 x 425 x 45 480 x 480 x 45 8kgs IEC 100-240V 50/60Hz 300VA	1/2 U 220 x 220 x 42 - <5kgs IEC 100-240V 50/60Hz 150VA	<b>Recommended specifications</b> Intel 4th Gen CPU or newer. 8GB RAM SSD System Drive with 20GB free space AMD Discrete graphics with 2GB GDDR5 RAM OpenGL 4.3 Compatible Disable Windows DPI scaling English Windows (UK or US) English Keyboard (UK or US)
<b>Mounting</b> Front & Rear ends included Rack drawer compatible	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Optional Optional	<b>Windows on a Mac</b> Hippotizer PREP and ZooKeeper will run on Mac based hardware that has installed Windows 10 in Boot Camp
<b>Performance</b> Notchmarks Notch	12,500 10 Free FX included	12,500 10 Free FX included	12,500 10 Free FX included	3,700 10 Free FX included	- 10 Free FX included	

