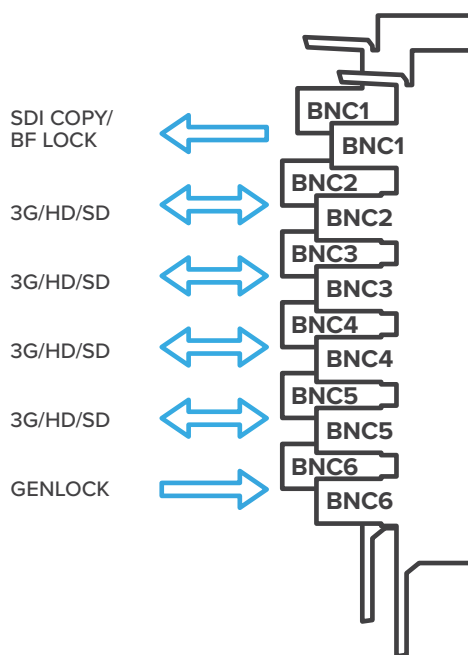
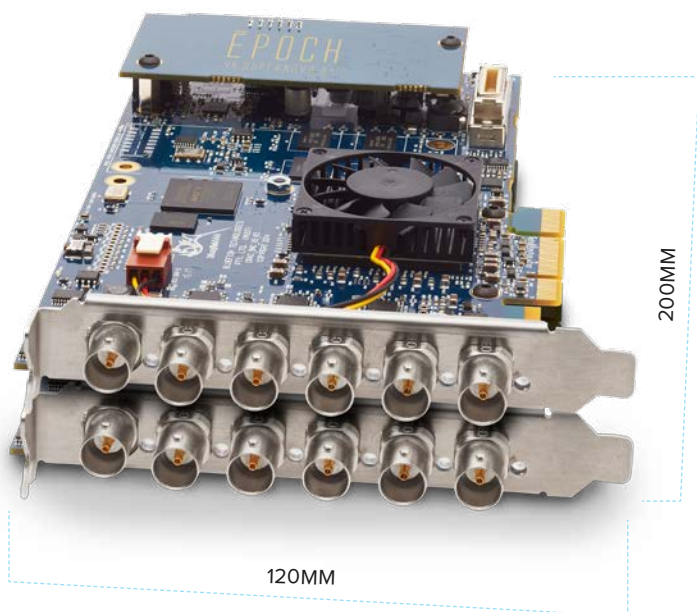




FEATURE	EPOCH 4K SUPERNOVA S+
SD-SDI	8
1.5G HD-SDI	8
3G-SDI (Level A+B)	8*
Dual Link 1.5G (4:2:2:4/4:4:4:4)	YES
Dual Link 3G (Level A+B)	YES
Quad Link 1.5G	YES
Quad Link 3G (Level A+B)	YES
Dedicated Genlock	YES
Low-latency Hardware Keyer	YES
Colour Space Converter	YES
Customisable Pixel Formats	YES
5th BNC SDI Copy/BF Lock	YES
Breakout Cable	YES

*Dependant on available PCIe bandwidth.

**ACHIEVE THE MOST DEMANDING 4K UHD WORKFLOWS WITH
THE FLEXIBILITY OF EPOCH | 4K SUPERNOVA S+ TURBO**



SPECIFICATIONS	
Width	120MM
Length	200MM
Internal Clearance (L)	184MM
Height	1 PCIE SLOT
Weight	580G

VIDEO I/O	
SDI VIDEO	
SD SMPTE 295M	8
HD 1.5G SMPTE 292M	8
3G (Level A+B) SMPTE 424M	8*
Dual Link 1.5G SMPTE 372M	YES
Dual Link 3G	YES
Quad Link 1.5G SMPTE 2036-1	YES
Quad Link 3G SMPTE 2036-1	YES
Maximum Video Channels	8*
12/10/8-bit 4:4:4 SDI	YES
12/10/8-bit 4:2:2 SDI	YES
5th BNC monitor output	YES
GENLOCK	
Bi-Level/Tri-Level Genlock (Dedicated BNC)	YES
BF Lock Output	YES

ANCILLARY	
HANC	
RP 188 Timecode	YES
16 Channels of Embedded Audio per SDI	YES
Video Payload ID	YES
Custom Packets	YES
VANC	
Closed Captioning	YES
3 Line VITC	YES
Custom Packets	YES

AUDIO I/O	
AUDIO SIGNALS	
16 channels of Embedded Audio Input per SDI	YES
8 Channels of AES ID3 Input(unbalanced, BNC)	YES
16 channels of Embedded Audio Output per SDI	YES
8 Channels of AES ID3 Output(unbalanced, BNC)	YES
2 channels -10DBU Analogue Output(unbalanced, RCA)	NO
Dolby Digital Pass-through SDI	YES

*Dependant on available PCIe bandwidth.

HARDWARE	
MAJOR HARDWARE FEATURES	
High Performance, 3G Bypass Relays	YES
Fully Programmable 4 x 4 x 33-bit Colour Matrix	YES
12-bit video signal path throughout	YES
Automatic Cross-Locking and intelligent output phasing across formats	YES
Audio sample-rate converters	YES
(MR2) Master Routing Resource	YES
ISIM (Input Stream integrity management)	YES
4-lane PCI-Express (8 and 16 lane compatible)	YES
Full Duplex DMA data transfer bandwidth 1.1GB/s	YES
256MB On Board Memory	YES
Hardware Keyer	YES
LTC I/O BNC	YES
RS-422 Serial Port	YES

VIDEO FORMATS	
SUPPORTED YUV SDI VIDEO MODES	
(2K) 2048 x 1080p/PsF @ 23.976, 24, 25, 29.97, 30FPS	YES
(2K) 2048 x 1080p/PsF @ 48, 50, 59.94, 60FPS	YES
(HD) 1920 x 1080p/PsF @ 23.976, 24, 25, 29.97, 30FPS	YES
(HD) 1920 x 1080p/PsF @ 48, 50, 59.94, 60FPS	YES
(HD) 1920 x 1080i @ 25, 29.97, 30FPS	YES
(HD) 1280 x 720p @ 23.976, 24, 25, 29.97, 30, 50, 59.94, 60FPS	YES
(SD) 720 x 576i @ 25FPS PAL	YES
(SD) 720 x 486i @ 29.97FPS NTSC	YES
SUPPORTED RGB SDI VIDEO MODES	
(2K) 2048 x 1080p/PsF @ 23.976, 24, 25, 29.97, 30FPS	YES
(HD) 1920 x 1080p/PsF @ 23.976, 24, 25, 29.97, 30FPS	YES
(HD) 1920 x 1080i @ 25, 29.97, 30FPS	YES
(SD) 720 x 576i @ 25FPS PAL	YES
(SD) 720 x 486i @ 29.97FPS NTSC	YES
SUPPORTED HSDL SDI VIDEO MODES	
(2K) 2048 x 1556PsF @ 14.98, 15FPS	YES
SUPPORTED 4K YUV SDI VIDEO MODES	
(4K) 4096 x 2160p @ 23.976, 24, 25, 29.97, 30FPS	YES
(4K) 4096 x 2160p @ 48, 50, 59.94, 60FPS	YES*
(UHD) 3840 x 2160p @ 23.976, 24, 25, 29.97, 30FPS	YES
(UHD) 3840 x 2160p @ 48, 50, 59.94, 60FPS	YES*
SUPPORTED 4K RGB SDI VIDEO MODES	
(4K) 4096 x 2160p @ 23.976, 24, 25, 29.97, 30FPS	YES*
(UHD) 3840 x 2160p @ 23.976, 24, 25, 29.97, 30FPS	YES*
SUPPORTED PIXEL FORMATS	
2VUY, YUVS, BV8, V210, AYUV _ 4224, AYUV _ 4444, YV12, I420	YES
ARGB, BGRA, RGB24, Cineon, DPX, RGB48	YES
Custom using flexible hardware pixel format engine	YES

CROSS PLATFORM SUPPORT WITH INDUSTRY LEADING 3RD PARTY SOFTWARE



For a comprehensive and up-to-date list of supported software, visit bluefish444.com/software

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