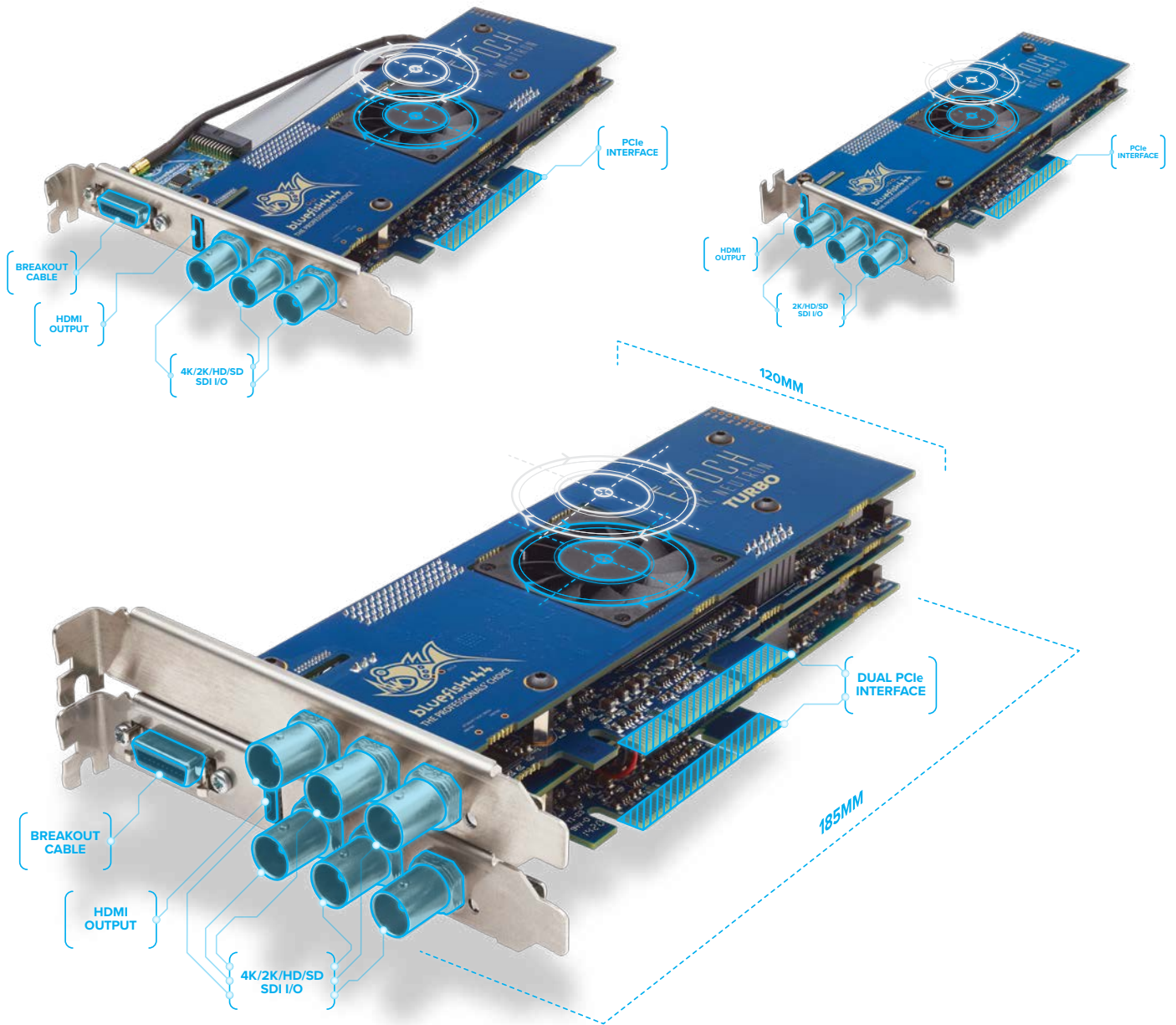




EPOCH NEUTRON RANGE

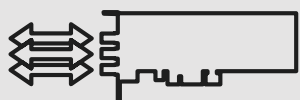


DELIVER THE HIGHEST QUALITY 4K/2K/HD VIDEO FOR YOUR BROADCAST, FILM AND TELEVISION PRODUCTION WORKFLOWS WITH THE EPOCH | NEUTRON RANGE





ALL CARDS IN THE BLUEFISH444 EPOCH | NEUTRON RANGE COME WITH THE FOLLOWING FEATURES:



Bi-directional I/O's provide unrivalled flexibility with industry standard BNC video connectors each allowing 3G/HD/SD SDI inputs or outputs.



Thunderbolt Expansion Chassis Compatibility with popular manufacturers.



4K UHD HDMI Monitoring supports and extends to 4K UHD resolutions.*

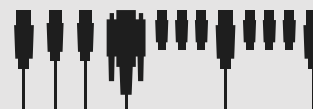
**4K UHD resolutions available with Epoch | 4K Neutron + 4K Neutron TURBO models only. Epoch | Neutron has a maximum resolution of 2K.*



Low Latency Video Keyer allowing video layers to be combined in hardware with just microseconds of delay.



Maintaining a 12-bit processing pipeline means that 4096 discrete values of red, green & blue are maintained per pixel; that's 4 times the colour precision of traditional 10-bit processing!



Maximum Connectivity including RS-422, 8 channels of AES EBU Audio, 2 channels of analogue audio, and auxilliary genlock.



Maintaining the highest quality RGB <=> YUV includes a fully programmable 4 x 4 x 33-bit colour matrix colour space conversion.



Primary Hardware Colour Corrector using the Bluefish444 programmable matrix combined with the on-board 1D LUTs.



**EPOCH
NEUTRON**

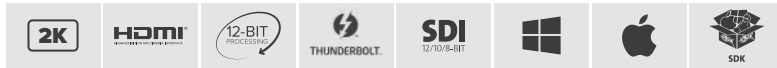
B VARIANT **\$1,695**
C VARIANT **\$1,795**

- 2K/HD/SD SDI/HDMI
- 2K up to 60 PS
- 2K HDMI
- Full-height, Half-length PCIe
- AES / ANA / RS-422 / AUX GENLOCK; **OR**
- AUX GENLOCK BNC

**EPOCH
NEUTRON LP**

EB3007F
\$1,695

- 2K/HD/SD SDI/HDMI
- 2K up to 60 fps
- 2K HDMI
- Low-profile, Half-length PCIe



ANALOGUE AUDIO
AES AUDIO
RS-422

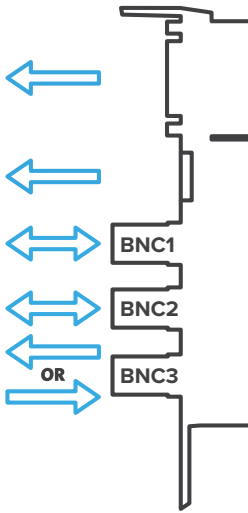
2K HDMI

HD/SD

HD/SD

HD/SD

HD/GENLOCK



**EPOCH
4K NEUTRON**

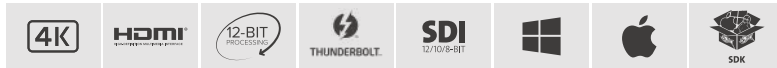
B VARIANT **\$2,095**
C VARIANT **\$2,195**

- 4K/HD/SD SDI/HDMI
- 4K up to 30 fps
- 4K HDMI
- Full-height, Half-length PCIe
- AES / ANA / RS-422 / AUX GENLOCK; **OR**
- AUX GENLOCK BNC

**EPOCH
4K NEUTRON LP**

EB3006F
\$2,095

- 4K/HD/SD SDI/HDMI
- 4K up to 30 fps
- 4K HDMI
- Low-profile, Half-length PCIe



ANALOGUE AUDIO
AES AUDIO
RS-422

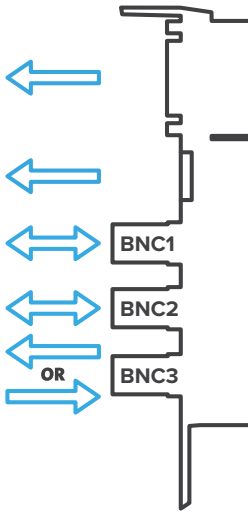
4K/2K HDMI

3G/HD/SD

3G/HD/SD

3G/HD/SD

3G/HD/SD OR GENLOCK



**EPOCH
4K NEUTRON
TURBO**

EB3006ZCA
\$3,995

- 4K/HD/SD SDI/HDMI
- 4K up to 60 fps
- 4K HDMI
- Full-height, Half-length PCIe
- AES/ANA/RS-422

**EPOCH
4K NEUTRON LP
TURBO**

EB3006ZFF
\$3,995

- 4K/HD/SD SDI/HDMI
- 4K up to 60 fps
- 4K HDMI
- Low-profile, Half-length PCIe



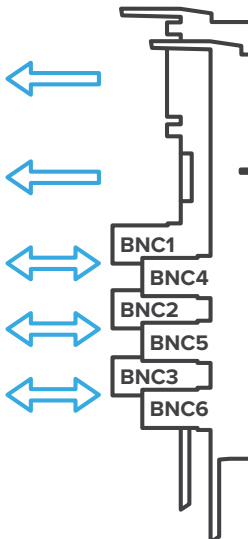
ANALOGUE AUDIO
AES AUDIO
RS-422

4K/2K HDMI

3G/HD/SD


3G/HD/SD

3G/HD/SD OR GENLOCK



FEATURE	EPOCH NEUTRON		EPOCH NEUTRON LP		EPOCH 4K NEUTRON		EPOCH 4K NEUTRON LP		EPOCH 4K NEUTRON TURBO
Max number of Bi-directional SDI I/Os	3		3		3		3		6
SD-SDI/1.5G HD-SDI/Dual Link 1.5G (4:2:2:4/4:4:4:4)	YES		YES		YES		YES		YES
3G-SDI (Level A+B)/Dual Link 3G (Level A+B)	NO		NO		YES		YES		YES
Quad Link 1.5/Quad Link 3G (Level A+B)	NO		NO		NO		NO		YES
2K/HD/SD HDMI (Output)	YES		YES		YES		YES		YES
4K HDMI (Output)	NO		NO		YES		YES		YES
Half-length, Full-height PCIe	YES		NO		YES		NO		YES
Half-length, Low-profile PCIe	NO		YES		NO		YES		YES#
Genlock BNC	YES		YES		YES		YES		YES
Dedicated AUX Genlock	YES	NO	NO	NO	YES	NO	NO	NO	YES
Breakout Cable 8 x AES Audio I/O, 2 x Analogue Audio OUT, RS-422, Auxiliary Genlock	NO	YES	NO	NO	NO	YES	NO	NO	YES
Part Number	EB3007B	EB3007C	EB3007F	EB3006B	EB3006C	EB3006F	EB3006ZCA		
MSRP (USD)	\$1,695	\$1,795	\$1,695	\$2,095	\$2,195	\$2,095	\$3,995		


#Available as an alternative configuration, EB3006ZFF. Please visit bluefish444.com/neutron for more information on available options.



Bluefish444 Symmetry is a proprietary integrated DI acquisition, review and play out software for Windows and is bundled FREE with all Bluefish444 video I/O cards.



Bluefish444 IngeStore is a multi-channel ingest tool capable of up to four independent streams of SD or HD video from separate SDI sources. Bundled FREE with all Bluefish444 video I/O cards.



Bluefish444 SDK is designed for developers who wish to integrate Bluefish444 video products into their own solutions, across Windows, macOS and Linux systems.

AVAILABLE FROM shop.bluefish444.com




IngeStore ADDITIONAL CODEC OPTIONS

Capture directly to Avid MXF Op-Atom files, ready to use within Avid Media Composer and other compatible applications. **USD\$800**

Capture directly to widely used compressed file formats ready for use within your video production or post-production workflow. Supports Edit-While-Record. **USD\$1,495**

CROSS PLATFORM SUPPORT WITH INDUSTRY LEADING 3RD-PARTY SOFTWARE



For a comprehensive and up-to-date list of supported software, contact sales@jbanda.com

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