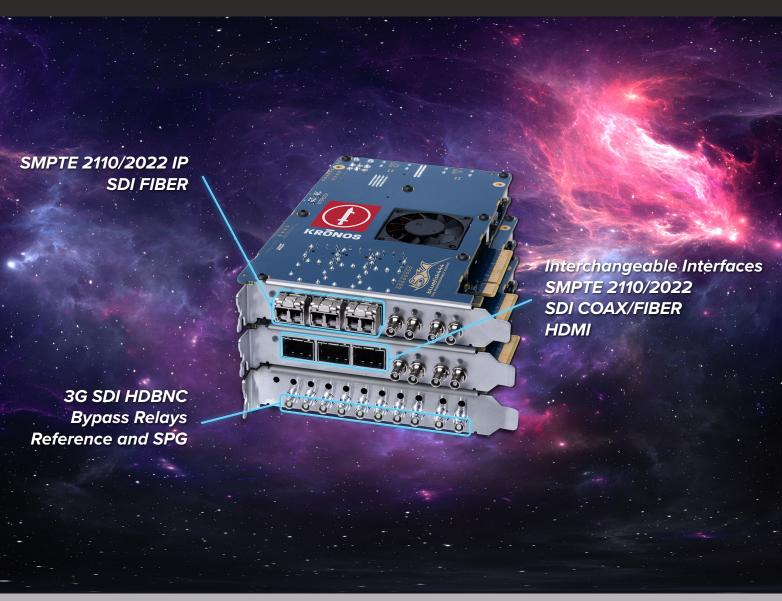




MEET THE WORLD'S MOST FLEXIBLE VIDEO, AUDIO, AND DATA INTERFACE CARDS



4K SDI COAX 4K SDI FIBER 2K SMPTE 2110/2022 2K HDMI





INTEGRATE BLUEFISH444 INTO THE FOLLOWING VERTICAL MARKETS













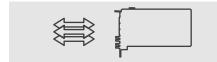




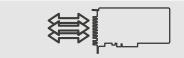




THE KRONOS RANGE HAS THE FOLLOWING FEATURES



Flexible IO Interfaces for unrivalled workflow flexibility with two dedicated 3G SDI HDBNC, and three Dual Channel SFP+ Cages on Optikos3G models.



Bi-directional I/O's for unrivalled flexibility with eight HD-BNC video connectors, each allowing 3G/HD/SD-SDI input or output on K8 models.



Maximum Connectivity with reference and LTC I/O as standard, and options for RS-422, AES digital audio, or stereo analogue audio I/O.



SMPTE 2110 or 2022 IP Interfaces available as SFP+ modules allowing input and output of SMPTE 2110-20/30/40 or SMPTE 2022-6 IP Strems on Optikos3G models.



3G SDI Coaxial Interfaces available as SFP+ modules allowing input and output of reclocked 3G SDI signals via Coaxial and HDBNC on Optikos3G models.



3G SDI Fiber Interfaces available as SFP+ modules allowing Input and output of 3G SDI over Single Mode Fiber LC for extended distances on Optikos3G models.



HD/2K HDMI supporting high frame rates available as SFP+ modules enabling Capture and Playout of multiple HDMI signals on Optikos3G models.



High-quality 3G/HD/SD Bypass Relays, hardware and software watchdog timer for disaster recovery during live broadcasts on K8 models.



4K/UHD 60p plus HDR/SDR Support for capture and playout of 4K/UHD, HD high frame-rate, and High Dynamic Range content.



Full-duplex asynchronous DMA to independently transfer video, audio and ancillary data.



Low-latency AutoCapture, and full card control supporting frame, field and AutoCapture allowing access to the video at sub-frame latency.



Low-latency HD/UHD hardware keyers allowing video layers to be combined in hardware with microseconds of delay.



Maintaining a 12-bit processing pipeline means maximum quality, and is 4 times the colour precision of traditional 10-bit processing!



MR² Routing Resources enables a user to flexibly configure main and preview outputs to suit individual workflows.



SPG Output allowing a Psuedo Sync signal to be generated and sent to other video equipment requiring syncronisation.



Popular 3rd-party API support for DirectShow, V4L2, Medialooks, CUDA and more, supporting accessible video, audio and ancillary I/O.



VR/AR/Stereoscopic workflows synchronise multiple SDI inputs into various formats for VR/AR/3D imaging.



Reference and LTC IO dedicated HDBNC I/O that can be used for Reference In/Out or LTC In/Out signals.

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USD\$4,495

- 4 x 3G/HD/SD-SDI I/O
- 8 x 1.5G/HD/SD-SDI I/O
- 1 x 4K/UHD I/O
- 4 x Bypass Relays
- 4 x Low Latency Hardware Keyers
- Full-height, 2/3rd-length PCle
- Reference In / LTC I/O / SPG Out











K4002

USD\$5,495

- 8 x 3G/HD/SD-SDI I/O
- Multi-channel 4K/UHD I/O
- 4 x Bypass Relays
- 4 x Low Latency Hardware Keyers
- Full-height, 2/3rd-length PCle
- Reference In / LTC I/O / SPG Out



Upgrade any KRONOS K8 R SKU to 8x3G for multi-channel 4K via a licence.























K4102

USD\$5,395

- 3 x SFP+ Cages for customised IO
- 2 x 3G/HD/SD-SDI I/O
- •1x Bypass Relay
- 4 x Low Latency Hardware Keyers
- Full-height, 2/3rd-length PCle
- Reference In / LTC I/O / SPG Out







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K4202

USD\$6,745

- 8 x 3G/HD/SD-SDI I/O
- 2 x 4K/UHD I/O
- 1 x Bypass Relay
- 4 x Low Latency Hardware Keyers
- Full-height, 2/3rd-length PCle
- Reference In / LTC I/O / SPG Out











K4502

USD\$13.120

- 6 x SMPTE IP (2022 or 2110)
- 2 x 3G/HD/SD-SDI I/O
- •1x Bypass Relay
- 4 x Low Latency Hardware Keyers
- Full-height, 2/3rd-length PCle
- Reference In / LTC I/O / SPG Out
- PTP ST 2059-1 SMPTE 2110 locking











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EX1

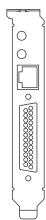
USD\$TBC

- · LTC I/O
- RS422 CONTROL
- · AES 16CH



RS422 CONTROL

AES 16 CH



EX-2

EX2

USD\$TBC

- Analogue Audio 2CH I/O
- RS422 Control
- · AES 16CH



RS422 CONTROL

AES 16 CH



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EX-3

EX3

USD\$149

• LTC I/O





WWW.BLUEFISH444.COM/KRONOS-OPTIKOS3G-SFP-CONFIGURATOR.HTML

KRONOS SFP & LICENSING OPTIONS













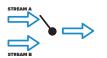
SFP SDI COAX Part No. CX-SFP













\$445

















\$1,385









FEATURE	KRONOS K8R / K8		Optikos3G	Optikos3G CX SDI	Optikos3G ST IP
Part Number	K4001	K4002	K4102	K4202	K4502
MSRP (USD)	\$4,495	\$5,495	\$5,395	\$6,745	\$13,120
Bi-directional SDI (HD-BNC)	8		2	2	2
Interchangeable SFP+ Interfaces (SDI COAX/SDI FIBER/HDMI SFP+ Modules)	NONE		3	3	3
1.5G HD/SD SDI COAX	8		2	8	2
3G SDI COAX (Level A + B)	4	8	2	8	2
High Quality 3G Bypass Relays	4		1	1	1
SMPTE 2022/2110 Streams	NONE		NONE (add up to 6)*	NONE (add up to 6)*	6
Dual Link 1.5/3G SDI	YES		YES	YES	YES
Quad Link 1.5/3G SDI	YES		NO*	YES	NO*
Reference In / SPG Out	YES		YES	YES	YES
LTC I/O	YES		YES	YES	YES
Optional Add on Ex cards for LTC, RS422, AES digital, and Analogue audio IO	YES		YES	YES	YES

^{*}Interchangeable SMPTE IP/SDI/HDMI I/O available via the purchase of additional SFP+ modules. See SFP & Licensing options above.

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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