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BLUEFISH444 LAUNCHES KRONOS OPTIKOS3G ST IP HYBRID SMPTE IP & SDI VIDEO CARD WITH INTERCHANGEABLE SFP+ INTERFACES

Supporting hybrid SMPTE IP & SDI workflows in one PCIe video card for broadcast, virtual production, live events and developers via the Bluefish444 Software Development Kit

North Melbourne, Australia, April 13th – Bluefish444, manufacturer of the professional video industry's highest-quality uncompressed video interface cards and signal converters, has launched KRONOS Optikos3G ST IP, a hybrid SMPTE 2110/2022 and SDI, PCIe video interface card with Interchangeable SFP+ interfaces.

KRONOS Optikos3G ST IP integrates into PCIe enabled workstation computers and servers to capture and playout both SDI and SMPTE 2110/SMPTE 2022 uncompressed video over IP using Bluefish developed applications, and 3rd party applications supported by the Bluefish Software Development Kit.

Featuring three (3) interchangeable SFP+ interfaces populated with Embrionix 10GbE Dual SMPTE 2110/2022 SFP+ modules, the Optikos3G ST IP supports 6 streams of 1080p50/59/60 uncompressed video over the three (3) 10GbE multimode fiber connections. In addition there are two (2) Bi-directional HDBNC provided for 3G SDI video capture and/or playout allowing for integrations into hybrid SDI and SMPTE IP uncompressed environments.

A unique feature of Optikos3G ST IP is the flexibility of the SFP+ Interfaces to be optionally populated with alternative SFP+ modules supporting video interfaces other than SMPTE 2110/2022. The Interchangeable SFP+ interfaces allow the SMPTE 2110 2022 SFP+ modules to be removed and replaced with alternative SFP+ modules supporting different video interface standards, at any time. Alternative SFP+ modules for "hot swap" include SDI over Coaxial, SDI over Fiber for extended distances and HDMI.

"The KRONOS Optikos3G ST IP PCIe video card is an unparalleled industry first workflow solution from Bluefish444", said Craige Mott, Bluefish444 Managing Director. *"Our partnership with Embrionix, an industry leader for SMPTE IP solutions, ensures that our SDI customer base has the surety to quickly migrate to SMPTE IP. Our support for Embrionix SFP+'s means that Optikos3G ST IP customers have the flexibility to hot swap the video interface at any time without needing to buy a new video server or video card or to update firmware, drivers or software".*

KRONOS Optikos3G ST IP major features include:

- SMPTE IP
  - 6 x streams of ST2110-20/30/40
  - 6 x streams of ST2022–6/-7
  - 3 x 10Gb Ethernet via Multimode Fiber (LC)
  - Clean Switch and Frame Sync Options for ST2110
- 3 x Interchangeable SFP+ Interfaces
  - Optionally change SFP+ modules to SDI over Coax
  - Optionally change SFP+ modules to SDI over Fiber
  - Optionally change SFP+ modules to HDMI
- 2 x Dedicated Bi-Directional HDBNC for 3G SDI
- 2 x Dedicated HDBNC for Reference In and SPG Out
- 1 x High quality 3G Bypass Relay
- 4 x Low Latency Hardware Keyers

For more information see the full specification at bluefish444.com

KRONOS Optikos3G ST IP will be demonstrated at NAB Show 2024, stand SL6041 supporting hybrid SDI & IP workflows with Unreal Engine 5.3 and Bluefish''s IngeSTore multi-channel capture application.

Available immediately, KRONOS Optikos3G ST IP has an MSRP of $13,120 USD and is already integrated into industry standard video applications including Adobe Premiere Pro, Avid Media Composer, Avid Pro Tools, Aximmetry, Brainstorm, ClassX, Drastic Technologies, Marquise, Medialooks, OBS, Resolume, Streamlabs, Unreal Engine, vMix, WTVision, Zero Density and many more.

About Bluefish444

Bluefish444, known as the Professionals' Choice for over 20 years, is the manufacturer of the professional video industry's highest quality video I/O interface cards, centralised ingest appliances, live production, archival & streaming software and signal converters. Bluefish products are deployed globally throughout the broadcast, post-production, live event and entertainment, proAV, corporate, military, government, medical and education markets.

KRONOS and Epoch video cards support interfaces for 4K/UHD SDI, HDMI and Video Over IP I/O and are widely integrated by 3rd-party developers and OEMs via the cross-platform Windows and Linux SDK. Bluefish supply the IngeSTore Server centralised ingest appliance and IngeSTore software for live production and archival workflows.

Bluefish have integrations with the biggest brands in professional video including Adobe, Avid, Nuke, Unity, Unreal Engine, CasparCG, Vizrt, Brainstorm, ClassX, NewTek, Disguise, 7thSense Design and many more, with Bluefish video cards providing the major component of turnkey

solutions for production, 2D/3D graphics, display & presentation, multimedia, QC & compliance and live event workflows.

Established in 1998, Bluefish444 is a division and brand name of Bluefish Technologies Pty Ltd, and based in North Melbourne, Australia, and its products are distributed via a global OEM, dealer and systems integrator network. Visit bluefish444.com for more information.

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