bluefish444
THE PROFESSIONALS' CHOICE

# ⦿KRŌNOS
## RANGE

ATTENTION DEVELOPERS

⦿KRŌNOS
ēlektron
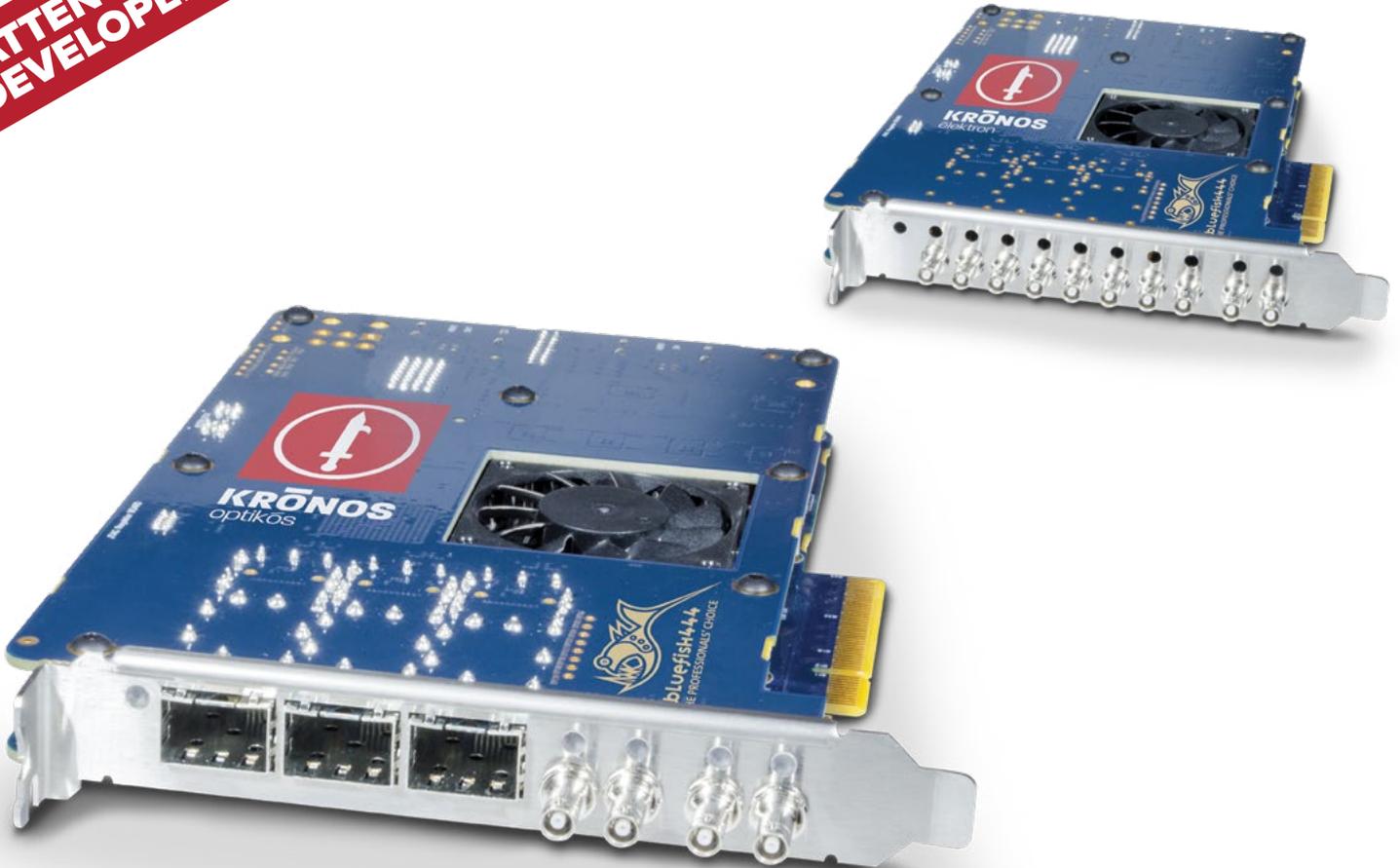
⦿KRŌNOS
optikōs

REGISTER YOUR INTEREST AT
**BLUEFISH444.COM/KRONOS**

## A 4K CAPABLE SDI VIDEO CARD RANGE WITH BI-DIRECTIONAL HD-BNC'S AND VIDEO OVER IP PROVIDING BEYOND 4K 60P CAPTURE AND PLAYBACK

**4K** HDR

**8K** READY

VIDEO OVER IP

**SDI** 12/10/8-BIT

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

12-BIT PROCESSING

| FEATURE | KRONOS ĒLEKTRON | KRONOS OPTIKÓS |
|---|---|---|
| HD-BNC connectors | 8 | 2 |
| SFP+ CAGES | | |
| 12/6G SDI SFP+ | 0 | 3 |
| 10GbE IP SFP+ | 0 | 3 |
| 1080 HDMI SFP+ | 0 | 3 |
| 4K/2K/HD/SD HDMI 2.0 I/O | 1 | 1 |
| 3G/HD/SD Dual Link/Quad Link SDI | YES | YES |
| PCIe x8 Gen3 | YES | YES |
| Half-length, full-height PCIe | YES | YES |
| Genlock input & Genlock loop through | YES | YES |
| Optional auxiliary I/O<br>AES Audio I/O, Analogue Audio I/O, RS-422 | YES | YES |

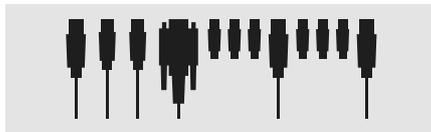## THE BLUEFISH444 KRONOS RANGE COMES WITH THE FOLLOWING FEATURES:
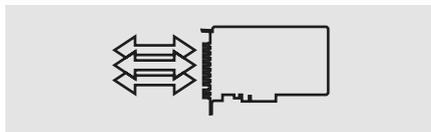
**Unrivalled I/O flexibility** with Bi-directional HD-BNC for 3G/HD/SD SDI Input and Output, and SFP+ high-speed I/O

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

**Multi-channel 4K 60p support** through industry-standard Quad Link 3G SDI.

**Maximum Connectivity** including RS-422, 8 channels of AES EBU Audio I/O, 2 channels of Analogue Audio I/O, and LTC I/O.

**Maintaining a 12-bit processing pipeline** means that 4096 discrete values of red, green & blue are maintained per pixel; that's 64 times the colour precision of traditional 10-bit processing!
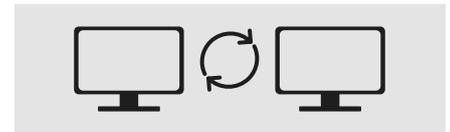
**Genlock input and Genlock loop through** provides versatile integration into professional applications.
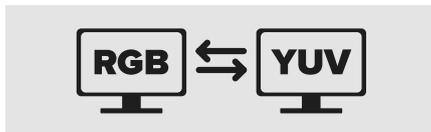
**Maintaining the highest quality RGB <=> YUV** includes a fully programmable 4x4x33-bit colour matrix colour space conversion.

**Video Over IP** support includes SMPTE 2022-6/7 and SMPTE 2110 video Input and Output.

**4K UHD HDMI 2.0 I/O** supporting High Dynamic Range and extends to 4K UHD resolutions.

## DEVELOP HIGH-BANDWIDTH I/O SOLUTIONS WITH KRONOS AND THE BLUEFISH444 SDK

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