



KAIROS Core 1000 Switcher/Mainframe/Server

## AT-KC1000

The new KAIROS Core 1000 (AT-KC1000) mainframe option offers a higher performance CPU and GPU thereby increasing the system's video processing capacity and expanded HD and 4K inputs/outputs, and enabling the platform to be utilized in a wider range of more complex productions. Additionally, the new KAIROS core 1000 mainframe offers 4K support and a CANVAS function as standard feature, and the Version 1.1 software allows less restricted use of the multi-layered video composition, output in high resolution including 8K video. With the increase in demand for hybrid remote video production, KAIROS Core 1000 expands RTP/SRT/RTMP streaming from six to eight inputs with two outputs. Furthermore, the platform features an increased recording capacity of video to 64 GB uncompressed RAM player capacity, 180 GB uncompressed clip player capacity and 12 GB of still images can be saved.

### Key Features

- Equipped with a high-performance CPU/GPU
- Equipped with 4K support, I/O expansion and CANVAS functions as a standard
- 20xHD, 5x4K outputs
- The CANVAS function is equipped as a standard, and supports 8K
- High recording capacity of still images and videos (RAM players, clip player)



## General

**Power Requirement** AC 100 V - 127 V/200 V - 240 V, 50 Hz/60 Hz, 12 A/9 A (Redundant)

**Operating Temperature** 5 to 35 degree Celsius

**Operating Humidity** 10% to 90% (no condensation)

**Weight** Approx. 17.4 kg / 38.36 lb (body only)

**Dimensions (W x H x D)** 438 mm x 88 mm x 620 mm / 17.2 in. x 3.5 in. x 24.4 in. (Excluding protrusion)

**Signal Processing** 720/60p, 59.94p, 50p

**HD** 720/60p, 59.94p, 50p

**4K** 2160/60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p(Kairos Core 100 requires AT-SF001 4K option)

## Video/Audio/Synchronous

### Support Video Format

**FHD** 1080/60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p1080/59.94i, 50i

### Audio Format

**ST 2110-30 (AES67)** 48 KHz/24 bit

### Synchronous

**PTP Sync** Support for QSFP and GbE port

**FS (Frame Synchronize)** For each CH, always ON (can't turn off)

**Frame Delay** 0 frame to 12 frame, 1 frame step

**LAN** RJ-45 x 2, 1GbE (Control system, PTP sync, NDI®, RTP/SRT/RTMP/RTSP)

**HDMI** HDMI 2.0 x 1, Use of recommended products\*

**SDI** 12G-SDI, 3G-SDI x 3, Use of recommended products\*3G-SDI x 4, Use of recommended products\*

## I/O Specification

### IP

**QSFP** QSFP28 x 2, 100GbE (ST 2110, PTP sync)

### Baseband

**Gateway Port** Custom Interface Connectors x 8, for Deltacast FLEX modules

**DisplayPort** DisplayPort 1.4 x 2, for Multiview output

**DisplayPort \*** DisplayPort 1.2 x 1, Use of recommended products\*

**Note** \* Recommended product: Deltacast FLEX module.