



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)





AT-KC1000

<https://eu.connect.panasonic.com/it/en/products/broadcast-proav/kc1000>

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.