Panasonic

KAIROS Live Production Platform

Product Lineup and Specification Comparison Chart



Apr 2024



Kairos Control (Control Panel) Lineup and Specifications

Product Name Model Number	Kairos Control (Control Panel) AT-KC10C1	Kairos Control (Control Panel) AT-KC10C2	
Product Image	anna an	ANALY AND ANALY AN	
MSRP			
General			
Power Requirement*	DC 12V, XLR 4 pin x 2	DC 12V, XLR 4 pin x 2	
Current Consumption	8.0 A	4.0 A	
Redundant Power Supply	\checkmark	\checkmark	
Dimensions (W x H x D, excluding protrusion)	1140 mm x 94 mm x 420 mm 44-7/8" x 3-45/64" x 16-17/32"	600 mm x 90 mm x 420 mm 23-5/8" x 3-35/64" x 16-17/32"	
Operating Temperature	0 to 40 °C	0 to 40 °C	
Operating Humidity	10% to 90%, no condensation	10% to 90%, no condensation	
Weight	Approx. 15.4 kg / 33.95 lb	Approx. 8.5 kg / 18.74 lb	
Rear Panel Terminals			
LAN	RJ-45 × 1, 1 GbE	RJ-45 × 1, 1 GbE	
USB	USB2.0 type A × 1	USB2.0 type A × 1	
Control Panel Terminal			
USB	USB2.0 type A × 1 ck recommended products.	_	

KAIROS; Platform for Innovative Live Video Production

Flexible Input/Output

Support for extensive baseband and IP packet signals, video formats, and inputs and outputs.

Unlimited Expression

KAIROS's unlimited scenes and layers combine with CANVAS's unrestricted aspect ratios for highly flexible video production.

Advanced Operation

IP connection enables operation via multiple control panels as well as remote operation. Software architecture realizes high system scalability.

KAIROS Alliance Partners

KAIROS leverages ever-expanding IT ecosystems for function expansion via new software and linkage with external devices. To further accelerate such linkage, Panasonic collaborates with diverse IT companies, video equipment

IP Network IT ST 2110, NDI[®], SRT ... Software Video and Audio Transmission Equipment Control Protocols, Linux OS, CPU, GPU AV Streaming Unlimited Scenes and Layers, CANVAS, Functionality and System Expansion AIROS GUI Operation

Intuitive Operation with GUI, Multi-Operation, Remote Operation

Three technologies that make up KAIROS



See website for latest list of KAIROS Alliance Partners

GUI Software and Various Options with Kairos Core

Model Number/Product Name	MSRP	AT-KC2000S1	AT-KC2000	AT-KC200	AT-KC200L1	
AT-SFC10 Kairos Creator OS: Windows10/11, macOS Monterey, Ventura, Sonoma *1		V	\checkmark	V	\checkmark	
Kairos Creator subset software (Kairos Media, Kairos Painter, Kairos Audio Mixer*) OS: Windows10/11		V	\checkmark	\checkmark	\checkmark	
AT-SFTC10 Touch Control Panel Software OS:Windows10/11		\checkmark	\checkmark	\checkmark	\checkmark	
AT-SFCM10 Kairos Core Manager OS:Windows10/11		\checkmark	\checkmark	\checkmark	\checkmark	
AT-SF005 Audio Mixer Option		\checkmark	\checkmark	\checkmark	\checkmark	
AT-SFE01 RossTalk*3 Option		1	\checkmark	\checkmark	1	
AT-SFE03 NMOS*4 Option		1	\checkmark	\checkmark	future support	
AT-KC20M1 SDI I/O Board *5 *6		√ max. 2 boards	√ max. 4	1 boards	√ 1 board	

· AT-SF001G/SF002G/SF003G functions are standard for AT-KC2000/KC2000S1/KC200/KC200L1.

- *1: Kairos Creator subset software is only compatible with Windows 10/11.
- *2: The AT-SF005 Audio Mixer Option is required for use.
- *3: RossTalk, Ross and XPression, are trademarks or registered trademarks of Ross Video Limited.
- *4: NMOS (Networked Media Open Specifications) is a protocol standardized by AMWA (Advanced Media Workflow Association) for controlling and managing devices via IP networks.
- *5: Each board has 8 input terminals, 4 output terminals and REF IN/OUT (max. 8 inputs/4 outputs in FHD/HD). Installation of the optional board is carried out by the dealer. Always consult your dealer for installation.
- *6: When installed, max. capacity of the RAM player is reduced. For details, please check our website.

manufacturers and suppliers.

KAIROS Case Studies



KAIROS helps realize unprecedented ballpark



KAIROS delivers next-level concert experiences

GGGLUE (Staging & Event & HOW) Country: U.S.A. Installation: April 2022





(Broadcast Studio) Country: Germany



See website for many other case studies





RTL2 Television uses KAIROS to enhance remote production

For more information se visit Panasonic web site https://na.panasonic.com/us/audio-video-solutions/ broadcast-cinema-pro-video/kairos



Two Riverfront Plaza Newark, NJ 07102-5490

Specifications are subject to change without notice.

SP-C-KCCOMPENZ1

Kairos Core (Main Frame) Lineup and Specifications

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bandar divalar 30ka 100 kg 1	Dimensions (W x H x D)			430 mm × 176 mm × 505 mm	/ 16-15/16" x 6-15/16" x 19-7/8"	
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Ross Talk*'Coptional AT-SFE01 is required.TSL 5.0/NMOS*s/AMP (Advanced Media Protocol)/ST 2110/ST 2110/Common Features of All Models *FunctionST 2110-20, ST 2110-20, ST 2110-30 *3Common Features of All Models *FunctionItem are only a part of the features. For details, please check our website.EffectCultiminance Key, DVE (2D/2.5D), Soft Border, Corner Fix, Color Correction, CropTransitionMultimix, Offset Transition EffectsMacroScene-Specific Macros, LUA Script SupportColor MatBicolor Wash Mat, Test Pattern	FHD HD Signal Processing ST 2110-20 Audio Format (same for all mod ST 2110-30 (AES67) Synchronization (same for all mod ST 2110-30 (AES67) Synchronization (same for all mod PTP Sync FS (Frame Synchronizer) Frame Delay Latency Multiviewer/Canvas Multiviewer Output Format, Dis Canvas Layer (same for all models) Number of Layer, Scene (ME) an Player Still Store RAM Player (uncompressed) Clip Player (compressed) Audio Player (compressed) Audio Player (compressed) MDI* Tally Supported Tally Protocol Compatible External Tally Box Connectable Control Panel PTZ Control of Panasonic PTZ C	odels) splay nd Key common to ators	32 GB stora 8 CH, 86 GB storage * ⁶ 2 CH, 850 GB storage (share with audio j 4 CH, 850 GB storage (share with clij 9 all models) *This is only a partial list. For details and sup	1080/60p, 59.94p, 50p, 30 1080/59.94i, 50i, 7 Y/PB/PR, 48 kH QSFP and GbE, both ports supported (All input channels, alwa 0 frame to 12 frar Min. HD/4K × 4 out, n (66 M-pixels) No restriction, depend on GPU perfor ige, up to 4K 8 CH, 96 GB storage *6 player), AVC-Intra/H.264/DN×HD/ProRes p player), WAV/MP3/Ogg/FLAC/AIFF ported KAIROS versions, please refer to our website "KAIRO √ TSL 5.0, Compatible with Panasonic PTZ Total 16 units (AT-KC10C1G or	pp, 29.97p, 25p, 24p, 23.98p 720/60p, 59.94p, 50p 4:2:2 10 bit 2:2 10 bit 2:2/24 bit QSFP is a future option for AT-KC200L1.) and the option for AT-KC200L1.} and the option for A	age, up to 4K 8 CH, 32 GB storage player), AVC-Intra/H.264/DN×HD/ProRes
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*1: Requires software version 1.7 or later.
*2: Requires software version 1.6 or later.
*3: Optional equipment is required for ST 2110 in/out of the AT-KC200L1, future support.
*4: The optional AT-KC20M1 SDI I/O boards are required. Each board has 8 input terminals, 4 output terminals and REF IN/OUT (max. 8 inputs/4 outputs in FHD/HD). Up to four boards can be installed on the AT-KC2000/200 and up to two boards on the AT-KC200051. The numbers of input/output shown here are the maximum numbers that can be loaded. Installation of the optional board is carried out by the dealer. Always consult your dealer for installation.

*5: The AT-KC200L1 is pre-installed with three boards and only one additional board can be installed. Installation of the optional board is carried out by the dealer. Always consult your dealer for installation.
*6: Max. RAM capacity is reduced with SDI I/O boards installed. For details, please check SDI I/O board web page.
*7: RossTalk, Ross and XPression, are trademarks or registered trademarks of Ross Video Limited.
*8: NMOS (Networked Media Open Specifications) is a protocol standardized by AMWA (Advanced Media Workflow Association) for controlling and managing devices via IP networks.
*9: Optional AT-SF005 is required.
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