



Plataforma de procesamiento de vídeo en directo basada en IT/IP

AT-KC2000/2000S1

La plataforma IT/IP "KAIROS" consigue un mayor rendimiento utilizando al máximo la potencia y flexibilidad de la CPU y GPU, equilibrando la carga total de procesamiento sin las limitaciones de configuración de los sistemas tradicionales basados en hardware. KAIROS ofrece una flexibilidad sin límites de entrada, salida así como un perfecto rendimiento para la producción de vídeos expresivos en directo.

Key Features

Dispone de una gran variedad de entradas y salidas

Resolución y formato independientes

Estructura de capas para una mayor expresividad del vídeo

Flexibilidad y escalabilidad

ST 2022-7 Redundancia de red



AT-KC2000/2000S1

<https://latam.connect.panasonic.com/pe/es/products/broadcast-proav/kc20002000s1>

General

Peso	Approx. 17 kg without accessories & options
Dimensiones (AnxAlxP)	430 mm x 176 mm x 505 mm (4RU)
Temperatura de funcionamiento	5 to 35 degree Celsius
Operating Humidity	10% to 90% (no condensation)
Power Requirement	AC100-127V/200-240V, 50/60Hz, 10A/5A, Redundant
Signal Processing	Y/Pb/Pr: 4:2:2 10 bit
HD	1080/59.94i, 50i, 720/60p, 59.94p, 50p
4K	2160/60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p
Video/Audio/Synchronous	
Support Video Format	
FHD	1080/60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p
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®*1, RTP/SRT/RTMP/RTSP)
HDMI	Use of recommended products / Yes, Please refer to "Third party product" page https://pro-av.panasonic.net/en/support/kairos_partners.html

I/O Specification

IP	
QSFP	QSFP28 x 2, 100GbE (ST 2110, PTP sync)
Baseband	
DisplayPort	DisplayPort 1.4 x 4, for Multiview output Micro BNC x Max. 48 *2*3
Agile Input Routing Support ✓	
ST 2110	1.5G (1080i, 720p): 64 in / 40 out*2 3G (1080p): 32 in / 40 out *2 4K: 8 in / 10 out *2
ST 2022-7 Redundancy	✓ No halving of input*2, halving of output 1.5G (1080i, 720p): Max. 32 in / 16 out *2*3 3G (1080p): Max. 32 in / 16 out *2*3 4K: Max. 16 in / 8 out *2*3 16 in / 4 out (only input for RTSP)

Function

Control Panel	AT-KC10C1/KC10C2, up to 8 units each, up to 16 units in total can be connected
Key	No restriction, depend on GPU performance
RAM Player	8 CH, 96 GB, Uncompressed, HD/4K

* Max. RAM capacity is reduced with SDI I/O boards installed. For details, please check SDI I/O board web page.

Clip Player	2 CH, 850 GB (Share capacity with audio player), compressed, AVC-Intra/H.264/DNxHD/ProRes
Still Store	32 GB storage, up to 4K resolution No restriction, depend on GPU performance
Audio Player	4CH, 850 GB (Share capacity with clip player), compressed, WAV/MP3/Ogg/FLAC/AIFF ST 2110-10, ST 2110-20, ST 2110-30 8 CH IN, RTP/SRT/RTMP/RTSP switchable, H.264 HD, Audio: 16 CH each for SRT, 8 CH each for RTMP/RTSP * 720p video signal from Panasonic PTZ cameras is not supported. For RTSP, only input is supported. Note that RTSP input does not work with the AW-HE130W/K (Discontinued model) and AW-HR140 (Limited stock) PTZ cameras. 2 CH OUT, RTP/SRT/RTMP switchable, H.264 HD, Audio: 16 CH each for SRT, 8 CH each for RTMP/RTSP Yes

