

12G/6G/3G/HD/SD Multi-Purpose Signal Processor

FA-9600
Ver.5.40

FOR.A[®]

SR Live
for HDR

12G/6G/3G/HD/SD
Multi-Purpose Signal Processor
FA-9600
Ver.5.40



Provides HDR and Wide Color Gamut support. Offers exceptional conversion format delivery, including 12G, 4K(UHD), 1080p and HD/SD.

Each of the FA-9600 processor's 2 HD/SD inputs includes a frame synchronizer. Because the signal processor features 12G-SDI terminals, optional software opens the door to 4K(UHD) production. Adding an optional expansion card provides 4 more channels of 3G-SDI input/output or 6 channels of 12G-SDI distributed output.*

The FA-9600 can be expanded with optional cards*1 that make it an ideal standalone solution at transmission centers, in mobile production trucks, production studios, news stations, and other nonlinear editing and playout production environments. * For details, see the expansion cards in "Options."

Provides versatile format support in transmission centers

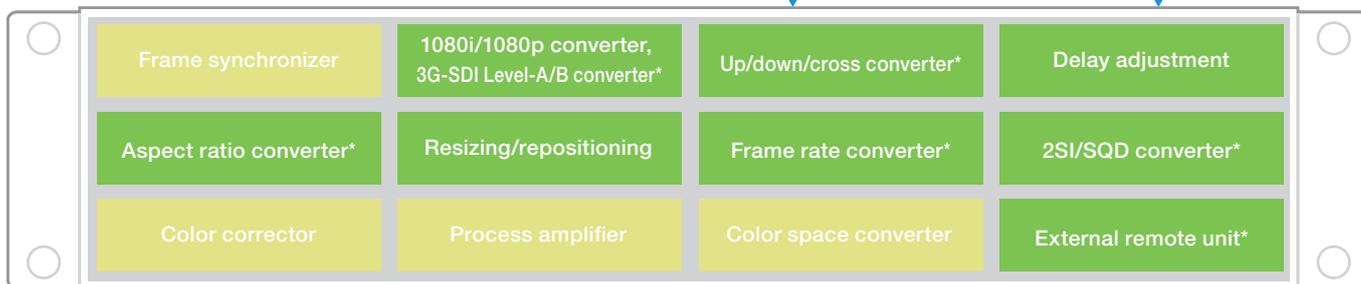
- Space-saving design.
- Efficient video processing.
- Compatible with a wide range of formats for conversion.
- Redundant power supply.



Video Server / Player



Router



Provides uniform output of video formats

* Optional

Standard features

Video

- 3G/HD/SD-SDI 2 inputs and 2 outputs with distribution output by each output, HDMI 1 input and 1 output.
- Built-in frame synchronizer on each 3G/HD/SD-SDI input. Dual channels of frame sync., proc. amp., colorimetry converter, color corrector, frame delay and clip functions.
- Dual channel of 1D-LUT conversion and Log curve conversion (EOTF/OETF) for HDR.

Audio

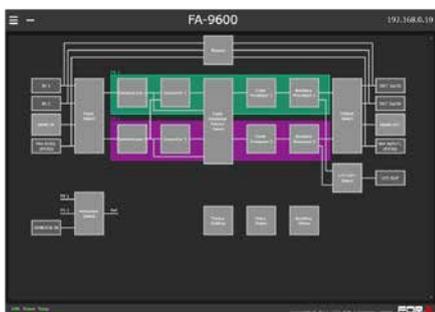
- Dual channel of embedded audio (16 channels, HDMI is up to 8 channels); AES/EBU I/O selectable for 4 inputs/2 inputs and 2 outputs/4 outputs (4 channels of stereo, unbalanced); audio multiplex and demultiplex function.
- Gain control, SRC, Down mix, Re-map, Mute, and Audio delay functions.

Timecode

- Selectable to embed timecode signals in each frame synchronizer.
- Generates timecode of LTC (optional), ATC (LTC, VITC) and DVITC (SD-SDI).
- Offset adjustment.

Others

- Can control all video/audio-related functions via Ember+.
- Frequency deviation adjustment in free-run mode.
- All FA-9600 functions can be controlled via an intuitive Web-based GUI.



Optional features

Video

- With the optional FA-964K, process 4K and HD video simultaneously. One of the FA-9600's internal paths can be used for 4K and the other for HD signals. (see P. 4, 9)
- With the FA-96UDC option, use up/down/cross/aspect conversion, interlace/progressive conversion, 2SI/SQD conversion, 3G-SDI Level-A/B conversion. (see P. 5, 6, 7, 9)
- Quad 3G-SDI I/O card or 12G-SDI distribution output card, or SFP/SFP+ modular card can be installed. (see P. 8)
- For HDR function, 3D-LUT conversion 1 and SR Live for HDR (OOTF) function max.2 can be added. (see P. 9)
"SR Live for HDR" is the solution which enables simultaneous and efficient HDR / SDR content production, proposed by Sony Corporation.



Audio

- AES/EBU I/O card, analog audio I/O card, MADI interface card, or Dante® interface card can be added. (see P. 8)

Dante is a registered trademark of Audinate Pty Ltd.

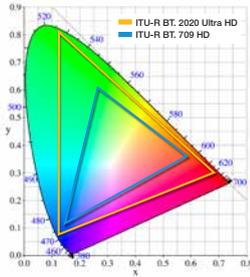
Other features

- Optional remote control unit connection.
- Redundant power supply, GPI I/O, and LTC I/O can be added.

Advantages in mixed HDR/SDR environments

New color processing circuit provides HD/4K (UHD) production support. This is useful when converting to unified specifications before input to a switcher or editing system and at output - prior to HDR and SDR simulcasts. The FA-9600's strong color correction capability makes it ideal for video wall applications.

- Supports and converts between the broad ITU-R BT.2020 gamut for 4K/8K and the conventional ITU-R BT.709 gamut in HD.



ITU-R BT.709

FA-9600

ITU-R BT.2020

- Compensates for differences among external devices using EOTF/OETF corresponding to various HDR or SDR curves.
- Supports HDR metadata input/output via HDMI.
- EOTF/OETF log curves and gamut can be registered from a PC. Also compatible with S-Log3, Canon Log 3, and other camera log curves.
- Dynamic range conversion compatible with HLG, PQ, SDR, and other log curves. Compatible with ITU-R BT.2100-compliant dynamic range conversion.
- Using the FA-96AHDR2 advanced function software option, the processor is conversion compatible with SR Live for HDR and the OOTF adjustment function. Also, conversion using 3D-LUT is possible by simply changing the mode. The FA-9600 can control 3D-LUT in real-time with WonderLookPro. (TVLogic)*
- LUT Converter included – a Windows tool to convert 3D LUT data, created so that non-linear and other software can convert FOR-A LUT (3D LUT) data for import to the FA-9600.
- Runs optimum color correction automatically with Payload ID information.

* WonderLookPro (V4.3.5 or later) and WonderLookPro Corporate License are required.

Support SDR/HDR log curves

- SDR BT.1886
- SDR BT.709
- HLG BT.2100
- SMPTE ST 2084 (PQ)
- S-Log3 (SONY)
- Canon Log 2
- Canon Log 3



SDR

FA-9600

Converted to HDR, for display on an HDR monitor

Advantages in mixed HDR/SDR environments



HDR 4K(UHD) camera

Mobile OB and Up-Link production trucks

- Convenient size where rack space is limited.
- Energy-efficient.



Live staging

- Greatly reduces the need for other equipment.
- Can be used as a simplified switcher.
- Audio embedding.
- Multi-camera editing.



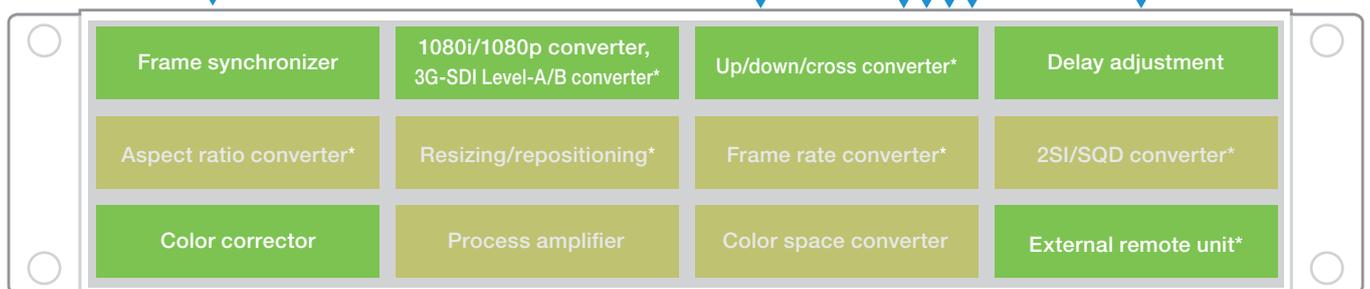
SDR camera



4K(UHD) 30p camera



Camera with HDMI output



* Optional

Direct HDR, 12G-SDI output

Converted to HDR, 12G-SDI output

Options

FA-964K

4K and 12G-SDI software

4K(UHD) video processing and 12G/6G-SDI or HDMI2.0b* input and output. Use with FA-96UDC for versatile conversion: 2SI/SQD, 59.94p/29.97p, and Quad Link 3G-SDI Level-A/B.

* HDMI is not available when the output is SQD or Level-B.

Available video formats

SL: 4K single link	12G-SDI	60p/59.94p/50p/48p/47.95p	2SI (Level A)	SL	4K single link
DL: 4K dual link	6G-SDI	60p/59.94p/50p/48p/47.95p	2SI (Level A)	DL	4K dual link
QL: 4K quad link	3G-SDI	60p/59.94p/50p/48p/47.95p	2SI/SQD (Level A/Level B DL)	QL	4K quad link
SL: 4K single link	6G-SDI	30p/29.97p/25p/24p/23.98p	2SI (Level A)	L1	QL/DL link1
DL: 4K dual link	3G-SDI	30p/29.97p/25p/24p/23.98p	2SI/SQD (Level B DS)	L2	QL/DL link2
QL: 4K quad link	HD-SDI	30p, 29.97p, 25p, 24p, 23.98p	SQD	L3	QL link3
		30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF	SQD	L4	QL link4

Inputs/Outputs

FA-964K installed

Inputs				Outputs			
				Output terminals on main unit			
				OUT1a	OUT1b	OUT2a	OUT2b
47.95 Hz or higher	SL	12G-SDI	IN1	SL	SL	—	—
	DL	6G-SDI	—	L1	L2	—	—
	QL	3G-SDI	—	L1	L2	L3	L4
30 Hz or lower	SL	6G-SDI	IN2	SL	SL	—	—
	DL	3G-SDI	L1	L2	L1	L2	—
	QL	HD-SDI	—	L1	L2	L3	L4

FA-964K + FA-96EX3G44-R installed

Inputs						Outputs											
						Output terminals on main unit				with FA-96EX3G44-R							
						IN1	IN2	IN3	IN4	OUT1a	OUT1b	OUT2a	OUT2b	OUT1	OUT2	OUT3	OUT4
47.95 Hz or higher	SL	12G-SDI	SL	—	—	—	—	—	—	SL	SL	—	—	—	—	—	—
	DL	6G-SDI	—	—	—	—	—	—	L1	L2	—	—	—	—	—	—	—
	QL	3G-SDI	L1	L2	—	—	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4	—
30 Hz or lower	SL	6G-SDI	SL	—	—	—	—	—	—	SL	SL	—	—	—	—	—	—
	DL	3G-SDI	L1	L2	—	—	L1	L2	L1	L2	L1	L2	L1	L2	L1	L2	—
	QL	HD-SDI	L1	L2	—	—	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4	—

FA-964K + FA-96EX12G06 installed

Inputs					Outputs									
					Output terminals on main unit				with FA-96EX12G06					
					IN1	IN2	—	—	OUT1a	OUT1b	OUT2	OUT3a	OUT3b	OUT4
47.95 Hz or higher	SL	12G-SDI	SL	—	—	—	—	SL	SL	—	—	SL	SL	SL
	DL	6G-SDI	—	—	—	—	—	L1	L2	—	—	L1	L1	L2
	QL	3G-SDI	—	—	—	—	—	L1	L2	L3	L4	L1	L1	L2
30 Hz or lower	SL	6G-SDI	SL	—	—	—	—	SL	SL	—	—	SL	SL	SL
	DL	3G-SDI	L1	L2	—	—	—	L1	L2	L1	L2	L1	L1	L2
	QL	HD-SDI	—	—	—	—	—	L1	L2	L3	L4	L1	L1	L2

FA-964K + FA-96SFPC4 installed

Inputs						Outputs														
						Output terminals on main unit				with FA-96SFPC4										
						IN1	IN2	RX1	RX2	RX3	RX4	OUT1a	OUT1b	OUT2a	OUT2b	TX1	TX2	TX3	TX4	
47.95 Hz or higher	SL	12G-SDI	SL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
DL	6G-SDI	—	—	L1	L2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
QL	3G-SDI	—	—	L1	L2	L3	L4	—	—	—	—	—	—	—	—	—	—	—	—	
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30 Hz or lower	SL	6G-SDI	SL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
DL	3G-SDI	L1	L2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		—	—	L1	L2	—	—	—	—	—	—	—	—	—	—	—	—	—		
		—	—	—	—	—	—	L1	L2	—	—	—	—	—	—	—	—			
QL	HD-SDI	—	—	L1	L2	L3	L4	—	—	—	—	—	—	—	—	—	—	—		
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

FA-96UDC

Up/Down converter software

Converts between SD/720p/1080i, interlaced/progressive and 3G-SDI Level-A/B. When used with FA-964K, converts resolutions from SD up to 4K*.

* Conversions that include 4K(UHD) are effective only on the Line 1-side. 2SI/SQD conversion and 4K to HD downconversion cannot be used simultaneously.

Available conversions

In simultaneous 4K mode		Available conversions			In dual HD mode		Available conversions		
Line-1 (with optional FA-964K installed)		A	B	C	Line-1	—	B	C	
Line-1		—	B	C	Line-2	—	B	C	
Line-2		—	B	—					

59.94 Hz family		Outputs														
Inputs		2160/						1080/					720/			525/
		59.94p	47.95p	29.97p	23.98p	29.97PsF	23.98PsF	59.94p	29.97p	23.98p	59.94i, 29.97PsF	23.98PsF	59.94p	29.97p	23.98p	59.94i
2160/	59.94p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	47.95p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	29.97p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	23.98p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	29.97PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	23.98PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
1080/	59.94p	A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
	29.97p	A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
	23.98p	A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
	59.94i, 29.97PsF	A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
	23.98PsF	A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
720/	59.94p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	C
	29.97p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	C
	23.98p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	C
525/	59.94i	A	A	A	A	A	A	C	C	C	C	C	C	C	C	B

60 Hz family		Outputs													
Inputs		2160/						1080/					720/		
		60p	48p	30p	24p	30PsF	24PsF	60p	30p	24p	60/30PsF	24PsF	60p	30p	24p
2160/	60p	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	48p	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	30p	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	24p	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	30PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	24PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A
1080/	60p	A	A	A	A	A	A	B	B	B	B	B	C	C	C
	30p	A	A	A	A	A	A	B	B	B	B	B	C	C	C
	24p	A	A	A	A	A	A	B	B	B	B	B	C	C	C
	60i, 30PsF	A	A	A	A	A	A	B	B	B	B	B	C	C	C
720/	24PsF	A	A	A	A	A	A	B	B	B	B	B	C	C	C
	60p	A	A	A	A	A	A	C	C	C	C	C	B	B	B
	30p	A	A	A	A	A	A	C	C	C	C	C	B	B	B
	24p	A	A	A	A	A	A	C	C	C	C	C	B	B	B

50 Hz family		Outputs								
Inputs		2160/			1080/			720/		625/
		50p	25p	25PsF	50p	25p	50i/25PsF	50p	25p	50i
2160/	50p	A	A	A	A	A	A	A	A	A
	25p	A	A	A	A	A	A	A	A	A
	25PsF	A	A	A	A	A	A	A	A	A
1080/	50p	A	A	A	B	B	B	C	C	C
	25p	A	A	A	B	B	B	C	C	C
	50i, 25PsF	A	A	A	B	B	B	C	C	C
720/	50p	A	A	A	C	C	C	B	B	C
	25p	A	A	A	C	C	C	B	B	C
625/	50i	A	A	A	C	C	C	C	C	B

FA-96UDC

Up/Down converter software

Available conversions

In simultaneous 4K mode	Available conversions		
Line-1 (with optional FA-964K installed)	A	B	C
Line-1	—	B	C
Line-2	—	B	—

In dual HD mode	Available conversions		
Line-1	—	B	C
Line-2	—	B	C

59.94 Hz → 50 Hz		Outputs							
Inputs		2160/			1080/			720/	
		50p	25p	25PsF	50p	25p	50i, 25PsF	50p	25p
2160/	59.94p	A	A	A	A	A	A	A	A
	47.95p	A	A	A	A	A	A	A	A
	29.97p	A	A	A	A	A	A	A	A
	23.98p	A	A	A	A	A	A	A	A
	29.97PsF	A	A	A	A	A	A	A	A
	23.98PsF	A	A	A	A	A	A	A	A
1080/	59.94p	A	A	A	B	B	B	C	C
	29.97p	A	A	A	B	B	B	C	C
	23.98p	A	A	A	B	B	B	C	C
	59.94i, 29.97PsF	A	A	A	B	B	B	C	C
	23.98PsF	A	A	A	B	B	B	C	C
720/	59.94p	A	A	A	C	C	C	B	B
	29.97p	A	A	A	C	C	C	B	B
	23.98p	A	A	A	C	C	C	B	B

59.94 Hz → 60 Hz		Outputs														
Inputs		2160/						1080/						720/		
		60p	48p	30PsF	30p	24PsF	24p	60p	60i, 30PsF	30p	24PsF	24p	60p	30p	24p	
2160/	59.94p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	47.95p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	29.97p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	23.98p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	29.97PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	23.98PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
1080/	59.94p	A	A	A	A	A	A	B	B	B	B	B	C	C	C	
	29.97p	A	A	A	A	A	A	B	B	B	B	B	C	C	C	
	23.98p	A	A	A	A	A	A	B	B	B	B	B	C	C	C	
	59.94i, 29.97PsF	A	A	A	A	A	A	B	B	B	B	B	C	C	C	
	23.98PsF	A	A	A	A	A	A	B	B	B	B	B	C	C	C	
720/	59.94p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	
	29.97p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	
	23.98p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	

50Hz → 59.94 Hz		Outputs													
Inputs		2160/						1080/					720/		
		59.94p	47.95p	29.97p	23.98p	29.97PsF	23.98PsF	59.94p	29.97p	23.98p	59.94i, 29.97PsF	23.98PsF	59.94p	29.97p	23.98p
2160/	50p	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	25p	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	25PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A
1080/	50p	A	A	A	A	A	A	B	B	B	B	B	C	C	C
	25p	A	A	A	A	A	A	B	B	B	B	B	C	C	C
	50i, 25PsF	A	A	A	A	A	A	B	B	B	B	B	C	C	C
720/	50p	A	A	A	A	A	A	C	C	C	C	C	B	B	B
	25p	A	A	A	A	A	A	C	C	C	C	C	B	B	B

FA-96UDC

Up/Down converter software

Available conversions

In simultaneous 4K mode		Available conversions		
Line-1 (with optional FA-964K installed)		A	B	C
Line-1		—	B	C
Line-2		—	B	—

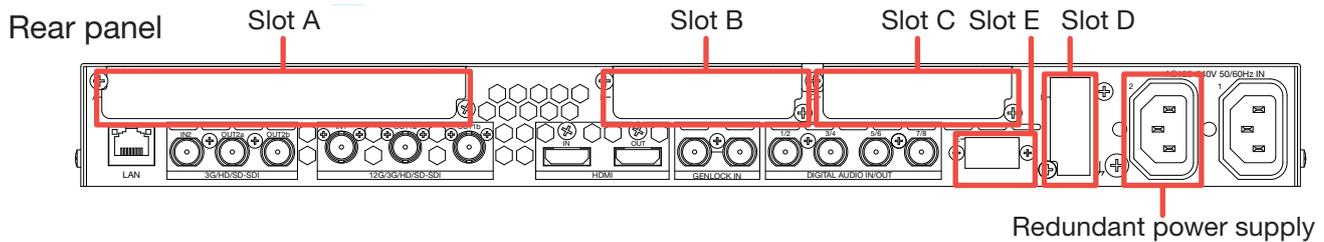
In dual HD mode		Available conversions		
Line-1		—	B	C
Line-2		—	B	C

50 Hz → 60 Hz		Outputs														
Inputs		2160/						1080/					720/			
		60p	48p	30p	24p	30PsF	24PsF	60p	30p	24p	60i, 30PsF	24PsF	60p	30p	24p	
2160/	50p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	25PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	25p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
1080/	50p	A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
	50i, 25PsF	A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
	25p	A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
720/	50p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	B
	25p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	B

60 Hz → 59.94 Hz		Outputs														
Inputs		2160/						1080/					720/			
		59.94p	47.95p	29.97p	23.98p	29.97PsF	23.98PsF	59.94p	29.97p	23.98p	59.94i, 29.97PsF	23.98PsF	59.94p	29.97p	23.98p	
2160/	60p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	48p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	30p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	24p	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	30PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	24PsF	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	1080/	60p	A	A	A	A	A	A	B	B	B	B	B	C	C	C
30p		A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
24p		A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
60i, 30PsF		A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
24PsF		A	A	A	A	A	A	B	B	B	B	B	C	C	C	C
720/	60p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	B
	30p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	B
	24p	A	A	A	A	A	A	C	C	C	C	C	B	B	B	B

60 Hz → 50Hz		Outputs							
Inputs		2160/			1080/			720/	
		50p	25p	25PsF	50p	25p	50i, 25PsF	50p	25p
2160/	60p	A	A	A	A	A	A	A	A
	48p	A	A	A	A	A	A	A	A
	30p	A	A	A	A	A	A	A	A
	24p	A	A	A	A	A	A	A	A
	30PsF	A	A	A	A	A	A	A	A
	24PsF	A	A	A	A	A	A	A	A
	1080/	60p	A	A	A	B	B	B	C
30p		A	A	A	B	B	B	C	C
24p		A	A	A	B	B	B	C	C
60i, 30PsF		A	A	A	B	B	B	C	C
720/	24PsF	A	A	A	B	B	B	C	C
	60p	A	A	A	C	C	C	B	B
	30p	A	A	A	C	C	C	B	B
	24p	A	A	A	C	C	C	B	B

Expansion cards



For slot A

FA-96EX3G44-R

3G-SDI I/O card

Card for 4 inputs/4 distributed outputs of Single Link 3G/HD/SD-SDI or input/output of 4K Quad/Dual Link 3G/1.5G-SDI. Pass-through supported on all inputs and outputs.

FA-96SFPC4*1

4-cage card for SFP modules

Cage card for adding up to 4 SFP/SFP+ modules. When used with 12G-SDI SFP+ modules, carries 4 channels of signals over longer distance via optical cables*2.

*1 FA-96SFPC4 and FA-96ANA-AUD cannot be mounted together *2 FA-964K required.

FA-96EX12G06*

12G-SDI 6 outputs expansion card

Card for 6 distributed outputs of Single Link 12G/6G/3G/HD/SD-SDI, 4K Dual Link 6G/3G-SDI or Quad Link 3G/1.5G-SDI output.

* FA-964K required.

For slot B

FA-96AES-UBL

Digital audio (unbalanced) I/O card

Card for unbalanced AES input and output. Enables input and output using pairs of terminals (a configuration of 4 inputs, 2 inputs/2 outputs, or 4 outputs is available).

FA-96MADI

MADI audio expansion card

Card for MADI input and output. Enables 1 input and 1 output.

FA-96ANA-AUD*

Balanced analog audio 4-In 4-Out card

Card for 4 inputs and 4 outputs of balanced analog audio (25-pin female D-sub terminal).

* FA-96SFPC4 and FA-96ANA-AUD cannot be mounted together.

FA-96DNT*

Dante audio expansion card

Card for Dante input and output.

* A computer in which Dante Controller software is installed is required.

For slots B and C

FA-96AES-UBLC

Digital audio (unbalanced) I/O expansion cable

Cable for 4 additional unbalanced AES outputs. Standard AES connectors on the rear panel are for input only.

FA-96GPI

External I/O control card

GPI card for 10 inputs/10 outputs.

For slot D

FA-96DIN4-CBL

LTC I/O expansion cable

Cable for LTC input and output. Enables 1 input and 1 output.

For slot E

FA-96DB9-CBL

GPI expansion cable

Cable for GPI control. Allows 7 inputs/outputs - with each line switchable between input and output.

Other options

FA-96AHDR2

Advanced HDR functions software

Dynamic range conversions compatible with SR Live for HDR, used in live video production with simultaneous creation of 4K HDR and HD SDR. Used in dynamic range conversion conforming to BT.2100. Compatible with S-Log3 and HLG log curves. Also supports 3D-LUTs—convenient for adjustments.

SR Live for HDR is the solution which enables simultaneous and efficient HDR / SDR content production, proposed by Sony Corporation.

FA-96PS

Redundant power supply unit

Remote control units / Auxiliary Unit

FA-10RU

Remote Control Unit

The FA-10RU allows remote operation of almost all FA-9600 functions. A single FA-10RU can control up to 100 FA-9600s. In addition, one FA-9600 can also be controlled from up to 5 remote control units (including the FA-10DCCRU and FA-9600GUI) simultaneously.



FA-10DCCRU

Remote Control Unit

The FA-10DCCRU allows remote operation of the color corrector functions of the FA-9600. One FA-9600 can be controlled from up to 5 remote control units (including the FA-10RU and FA-9600GUI) simultaneously.



FA-AUX30*

Auxiliary Unit

An auxiliary unit that controls FA-10RU/FA-10DCCRU GPI input and output. Assigning often-used functions to the FA-AUX30 button switches can simplify and quicken operational procedures.

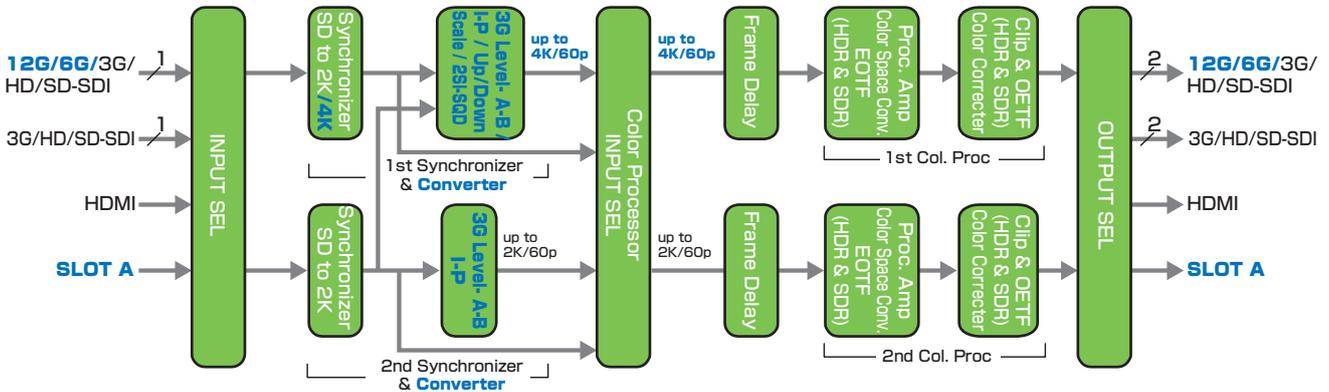
* FA-10RU, FA-10DCCRU or FA-96GPI required.



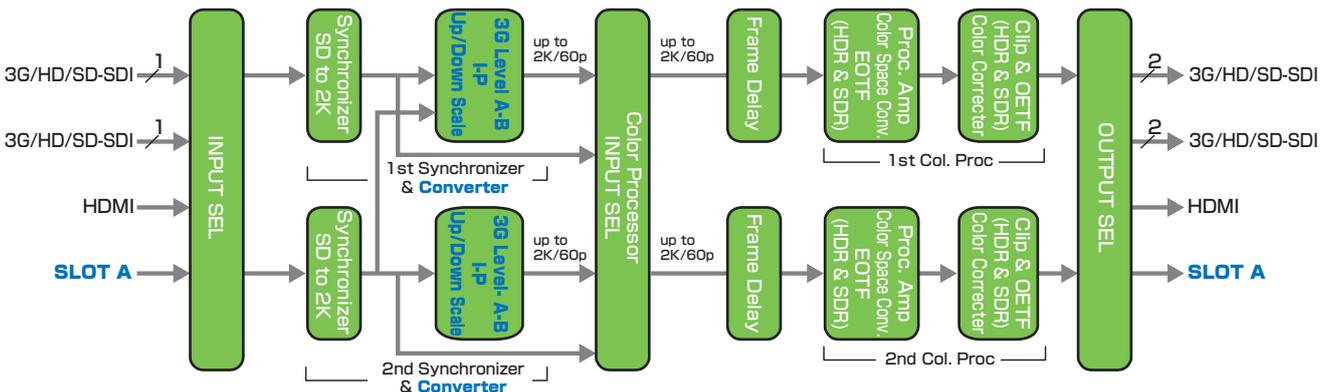
Block diagram *

Simultaneous 4K/HD mode

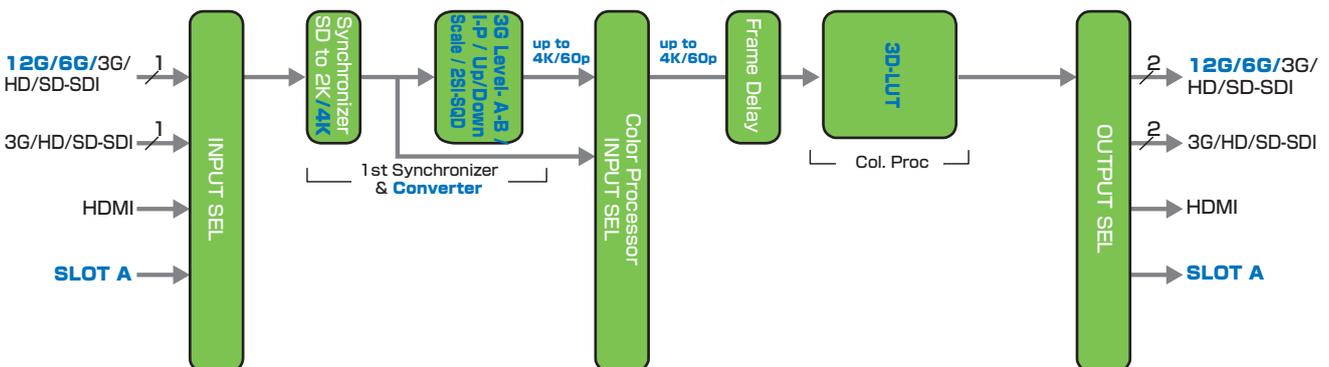
* Optional blue character functions.



Dual HD mode



3D LUT mode



Please see Specs or User Manual for details of specs.



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