

3G/4K format compatibility (Advanced support for high-definition)

This advanced switcher can be used to produce 4K*4 high-definition video as well as HD/SD-SDI and 3G-SDI by switching between three use modes.

*4: Firmware Ver. 4 or later required. For details, see "Firmware" on the Live Switcher AV-HS6000 product page on the Panasonic website (<https://pro-av.panasonic.net/en/>).

Functions supported by format

		Standard mode	3G mode	4K mode
Input function	Number of SDI inputs	32	16(3G Level A/B ^{*5})	8(SQD/2SI 3G Level A/B ^{*5} × 4)
	Number of DVI inputs	2	Not possible	Not possible
	Number of up-converter channel	4	-	8
	Dot by Dot	Possible	-	-
	Number of delay function channel	4	2	-
	Number of color corrector channel	8	4	-
Output function	Number of upstream keyer channel	4	2	-
	Number of SDI output	16	8	3(SQD 3G Level B × 4)
	Number of down-converter channel	2	2 ^{*6}	2 ^{*7}
ME1 function	Number of color corrector channel	4	2	-
	Number of utility bus	2	1	1
ME2 function	BKGD transition pattern	MIX / WIPE / DVE	MIX / WIPE	MIX / WIPE
	IMAGE	Possible	Not possible	Not possible
	Number of keyer	4	Not possible	Not possible
	Number of utility bus	2	Not possible	Not possible
Number of DSK keyer		4	2	2 ^{*8}
Number of still image (Still) memory channel		4	2	2 ^{*8}
Moving image (Clip) memory function	Number of channel	4	2	2 ^{*8}
	Recording time per channel (standard image quality)	Approximately 60 seconds	Approximately 30 seconds	Approximately 30 seconds
	Recording time per channel (high image quality)	Approximately 30 seconds	Approximately 15 seconds	Approximately 15 seconds
Number of MultiViewer		4	2	2 ^{*8}
Number of AUX		16	8	8 ^{*8}

*5: When FS function is active and 3G-SDI Level A signal is input, it is converted to Level B signal to perform signal processing. When FS function is off and 3G-SDI Level A signal is input, a black screen will be displayed. FS function is always ON when in 4K mode. *6: SDI OUT 14 outputs down-converted HD-SDI signal of SDI OUT 13, and SDI OUT 16 outputs down-converted HD-SDI signal of SDI OUT 15. *7: Same video output on SDI OUT 13(3G-SDI) and SDI OUT 14 (HD-SDI) . Same video output on SDI OUT 15(3G-SDI) and SDI OUT 16 (HD-SDI) . *8: 2K resolution video scaled to 4K resolution.