

Panasonic

ideas for life

2006/9

Multi-format HD/SD Live Switcher
AV-HS300

Compact HD/SD Multi-format Live Switcher Makes Multi-Camera Productions Easy



MULTI FORMAT
DIGITAL SWITCHER SYSTEM



A New Multi-Format Live Switcher Leading the Way in HD

With digitalization in every aspect of video production and the growing demand for a live switcher that combines both digital and HD capabilities, Panasonic developed the AV-HS300.

Compatible with all HD formats worldwide, this compact unit is a valuable tool for a wide range of applications. It also helps assure smooth transition from conventional SD operation to HD operation.

Making HD Productions Easy



Global Multi-Format HD/SD Compatibility

Multi-format HD/SD compatibility lets you meet changing needs as production switches to HD. Rental Houses can rent the AV-HS300 to virtually anyone...wherever their job takes them.

* Different video formats cannot be combined.



Supports Full-Scale HD Production Systems

In a single unit you get all the functions you need for a wide range of applications including programme production. This flexibility also contributes to a smooth transition into the rapidly expanding HD production environment.



Compact Design for Outdoor Production

The main unit and control panel are integrated in a compact body. Better still, DC 12 V external power operation assures easy manoeuvrability when mixing in the field.

* The unit is not waterproof so please avoid direct contact with rain and water.



Multi-format HD/SD Live Switcher
AV-HS300

High Performance in a Compact Body – An Easy Way to Become Familiar with the HD Environment

Broadcasts, sport events, education...
a powerful tool in a variety of situations.



Sports Stadium



Educational Tool



Wedding Reception



Studio Production



HD/SD Multi-Format Compatibility For Application Flexibility Worldwide

Compatibility with different HD formats around the world enables operation with various cameras used at home and overseas. Naturally, the AV-HS300 also offers SD format compatibility so you're ready to switch comfortably from SD to HD operation when desired.



* Different video formats cannot be combined.

10-bit Frame Synchronizer and DC12 V Operation

For added system versatility, the built-in high-performance 10-bit Frame Synchronizer enables switching without shock or freeze even with asynchronous video signals. And a 4 pin XLR external power input terminal (12 Volt DC) allows for field operation such as concerts and other live events.



Solid Support
for Outdoor
Production

Linear/Self Keying Capability and Easy Titling

Both linear keying and self keying are possible, as well as key invert. What's more, you can add borders to titles and specify border colour for more versatile titling.

Other valuable features Multiple Interfaces for Versatile System Configuration

6 tally outputs and an RS422 interface enable configuration of a wide range of live switching systems. There's also a built-in Network interface for easy use of background images from a PC.

Easy Switching for Multi-Camera Operation



Simple operation lets you quickly take advantage of a selection of wipe patterns and directions, an ideal feature for live situations where speed is required. You can also cut and mix.

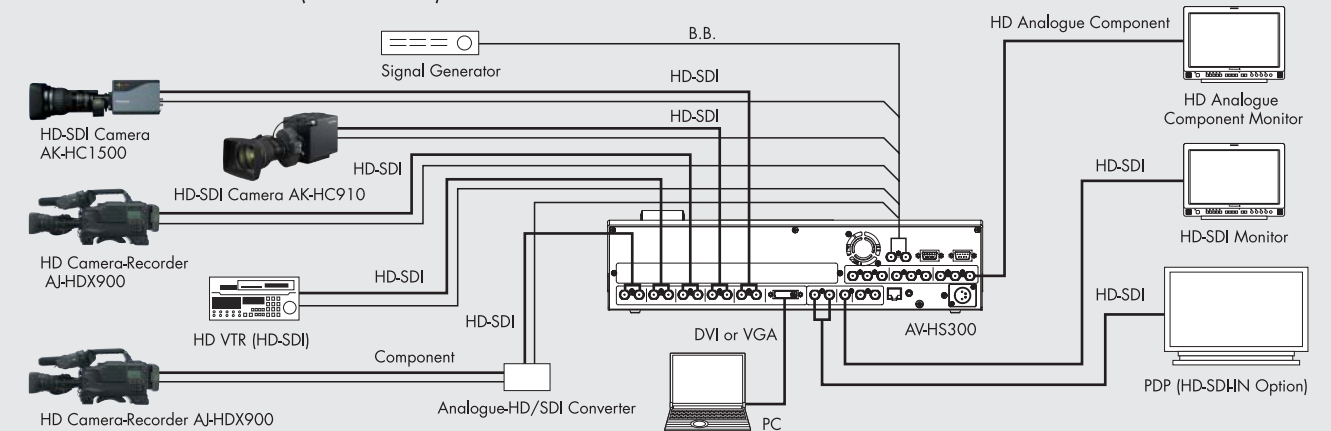
Wipe Convenience with 9 Patterns in 3 Directions



System Configurations for Everything from Post-Production to Live Broadcasts.

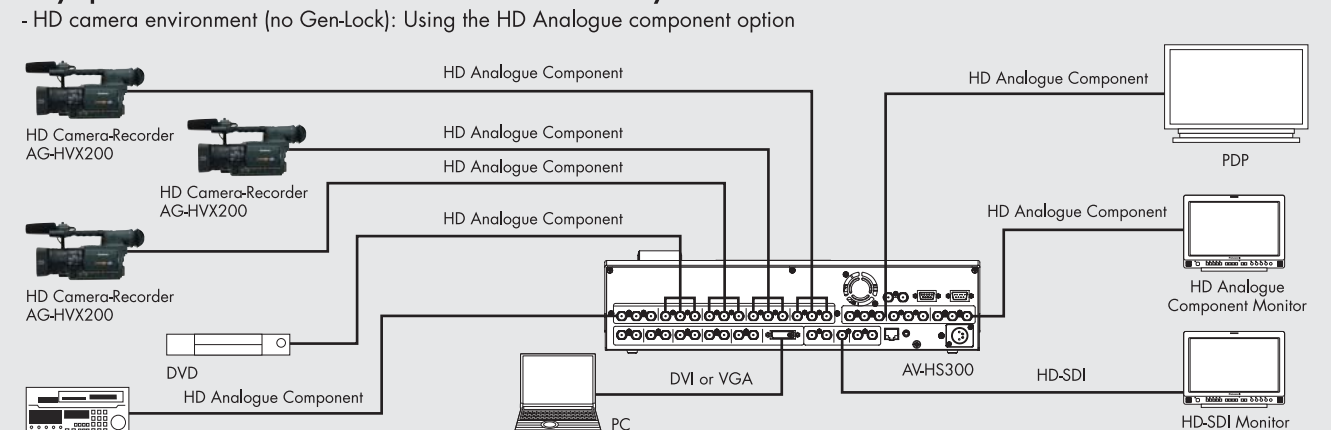
Solid support for full-scale programme production at CATV and other broadcast stations.

- HD-SDI camera environment (with Gen-Lock)



Easy operation also assured for school education and other systems.

- HD camera environment (no Gen-Lock): Using the HD Analogue component option



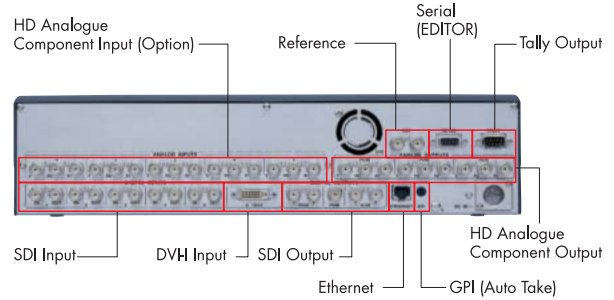
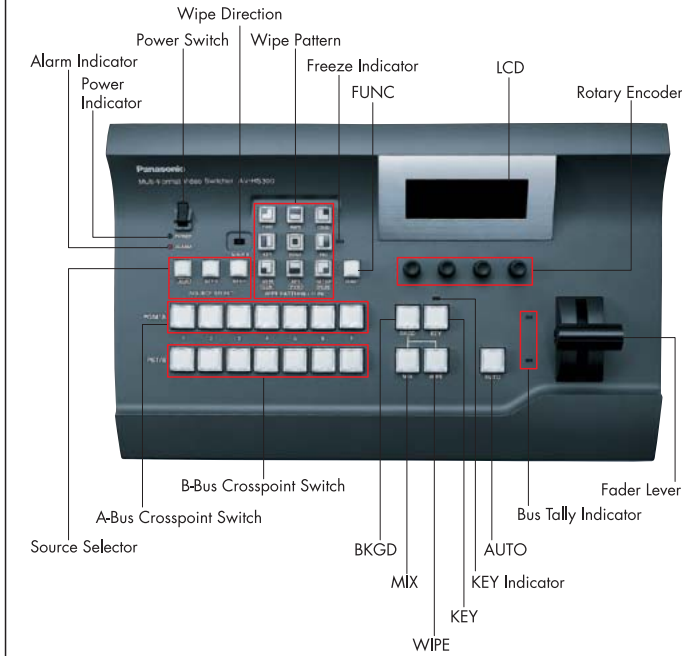
* The HD Analogue component input is optional * A 16:9 aspect ratio monitor can also be used

● Specifications

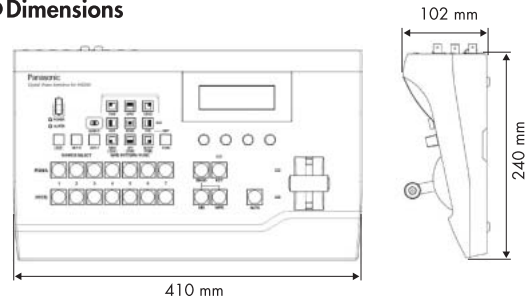
Video processing	Video format	SD(480/59.94i, 576/50i), HD(1080/59.94i, 1080/50i, 720/59.94p, 720/50p)	Effect	Transition	Cut, Mix, Wipe (9 patterns, 3 directions)
				Key synthesis	Self key, Linear key
Input	Video processing	Y:Cb:Cr, 4:2:2 10 bit RGB, 4:4:4 8 bit	Interface	Ethernet	100 Mbps/10 Mbps x1
	SDI	5 inputs (with active through output)		Serial (EDITOR)	Dsub9pin x1:RS422A
	RGB	DVH x1 (SXGA 1280x1024, XGA 1024x768(60 Hz))		Tally output	Dsub9pin x1:6 ch, open collector output
	HD Analogue Component	5 inputs (Y, Pb, Pr: HD only) *Option		GPI	1 (Auto take)
	Key	Possible to assign to desired 1 input among 5 SDI inputs	Operating temperature	0 °C to +40 °C	
	Reference	Black burst/TRI (Loop through) x1	Humidity	10 % to 90 % (non condensing)	
Output	SDI	3 outputs (PGM x2, PVW x1, AUX x2)	Power	DC12 V / 5 A	
	HD Analogue Component	3 outputs (Y, Pb, Pr: HD only)	Dimensions (WxHxD)	410 mm x102 mm x240 mm (Exclusive of protrusion)	
	Reference	Loop through x1 (Gen-lock)/ Black burst x2 (Internal synchronization)	Weight	Approx. 4.0 kg	

● Specification in this document is subject to change without notice due to continual improvements.

● Controls and their Functions



● Dimensions



Panasonic

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