

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.



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.

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.

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

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.

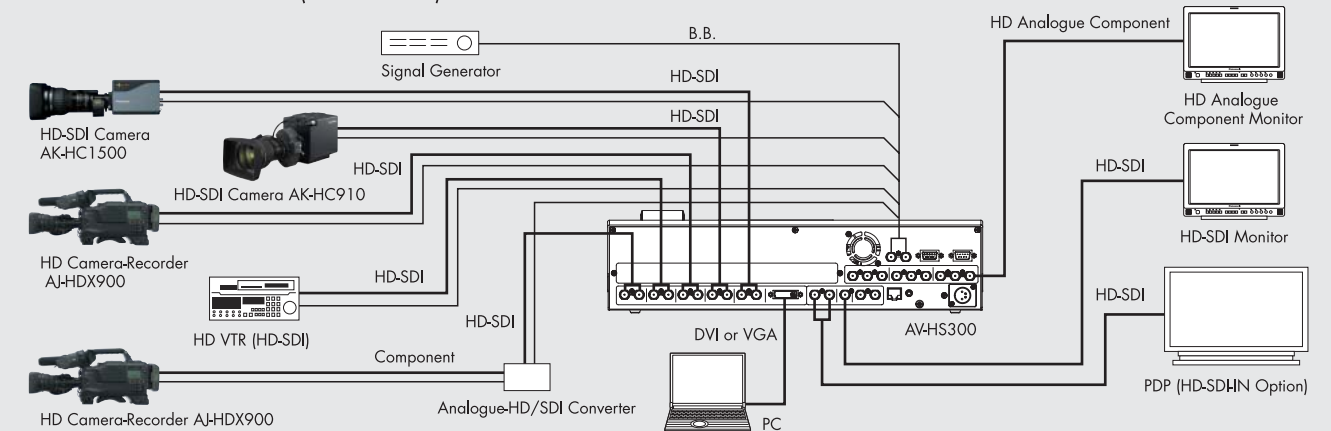
Wipe Convenience with 9 Patterns in 3 Directions



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

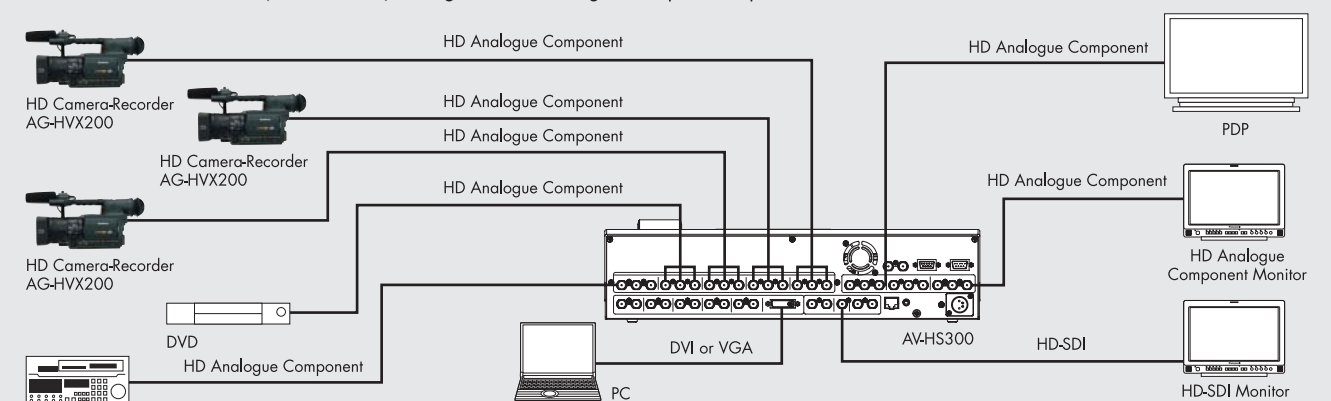
Solid support for full-scale programme production at CATV and other broadcast stations.

- 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



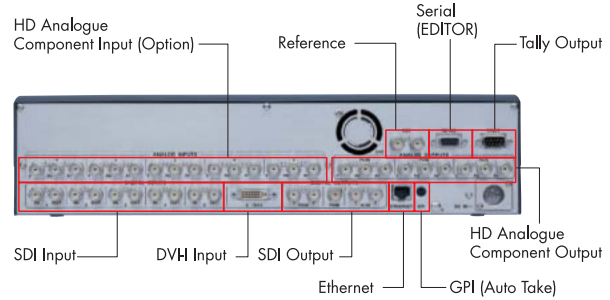
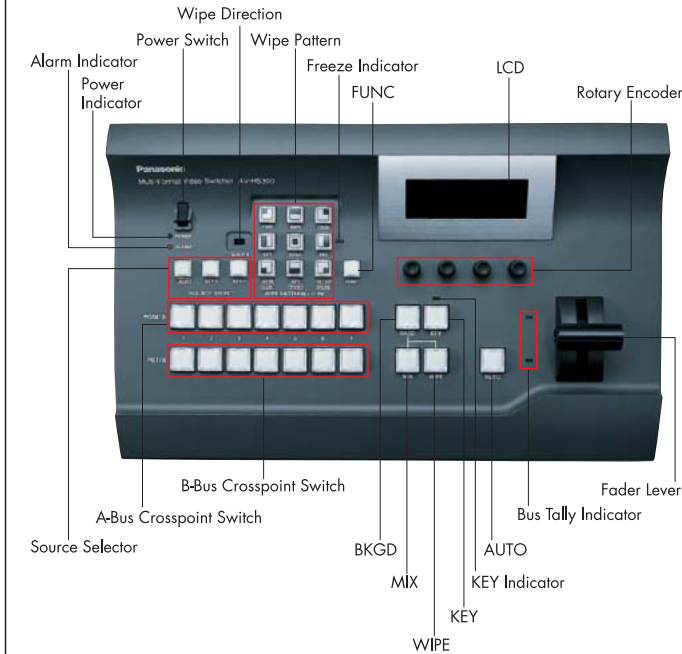
* The HD Analogue component input is optional * A 16:9 aspect ratio monitor can also be used

● Specifications

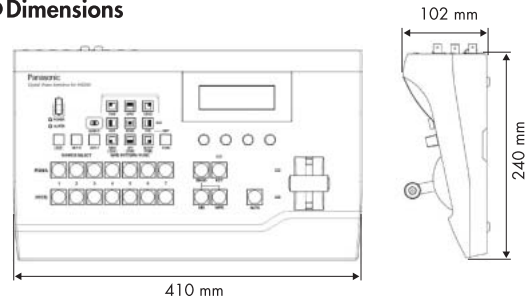
Video processing	Video format	SD(480/59.94i, 576/50i), HD(1080/59.94i, 1080/50i, 720/59.94p, 720/50p)	Effect	Transition	Cut, Mix, Wipe (9 patterns, 3 directions)
	Input	Video processing		Y:Cb:Cr, 4:2:2 10 bit RGB, 4:4:4 8 bit	Key synthesis
SDI		5 inputs (with active through output)	Interface	Ethernet	100 Mbps/10 Mbps x1
RGB		DVH x1 (SXGA 1280x1024, XGA 1024x768(60 Hz))		Serial (EDITOR)	Dsub9pin x1:RS422A
HD Analogue Component		5 inputs (Y, Pb, Pr: HD only) *Option		Tally output	Dsub9pin x1:6 ch, open collector output
Key		Possible to assign to desired 1 input among 5 SDI inputs	Operating temperature	GPI	1 (Auto take)
Reference		Black burst/TRI (Loop through) x1		Humidity	0 °C to +40 °C
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

Matsushita Electric Industrial Co.,Ltd.
Panasonic System Solutions Company
Corporate Broadcast and Multimedia Division

4-3-1 Tsunashima-Higashi,
Kohoku-ku, Yokohama City 223-8639, Japan
<http://panasonic.biz/broad/>

[Countries and Regions]

Argentina	+54 1 308 1610
Australia	+61 2 9887 6222
Austria	+43 (0) 1 610 80 773
Bahrain	+973 252292
Belgium	+32 (0)2 481 04 57
Bulgaria	+359 2 946 0786
Brazil	+55 11 3889 4035
Canada	+1 905 624 5010
China	+86 10 6515 8828
(Hong Kong	+852 2313 0888)
Czech Republic	+420 236 032 552/511
Denmark	+45 43 20 08 57
Egypt	+20 2 3938151
Finland, Latvia, Lithuania, Estonia	+358 (9)521 52 53
France	+33 (0)1 49 46 43 59
Germany	+49 (0)611 235 401
Greece	+30 210 96 92 300
Hungary	+36 (1)382 60 60
Indonesia	+62 21 385 9449
Iran	+98 21 2271463
Italy	+39 02 67 88 449
Jordan	+961 6 586 1914
Kazakhstan	+7 3272 980 891
Korea	+82 2 2106 6666

Kuwait	+965 481 2123
Lebanon	+961 1 216827
Malaysia	+60 3 5549 5422
Mexico	+52 5 488 1000
Montenegro, Serbia	+41 (0)26 466 25 20
Netherlands	+31 73 64 02 577
New Zealand	+64 9 272 0100
Norway	+47 67 91 78 00
Pakistan	+92 5370320 21
Panama	+507 229 2955
Peru	+51 145 29470
Philippines	+63 2 633 6162
Poland	+48 (22)338 1100
Portugal	+351 21 425 77 04
Puerto Rico	+1 787 750 4300
Romania	+40 21 211 4855
Russia & CIS	+7 495 980 42 06
Saudi Arabia	+966 1 465 0709
Singapore	+65 6270 0110
Slovak Republic	+421 (0)2 52 92 14 23
Slovenia, Croatia, Bosnia, Macedonia	+44 (0)20 76 63 36 57
South Africa	+27 11 313 1400
Spain	+34 (93) 425 93 00

Sweden	+46 (8) 680 26 41
Switzerland	+41 (0)41 259 96 32
Taiwan	+886 2 2725 9100
Thailand	+66 2 731 8888
Turkey	+90 216 578 3700
U.A.E.	+971 4 282201
Ukraine	+380 44 4903437
	+380 44 4903438
	[ext. 112]
U.K.	+44 (0) 1344 70 69 20
U.S.A.	+1 201 348 5300
	+1 800 528 8601
Vietnam	+84 88370280