

HD Digital Video Switcher

•The HDS-7150 is a High Definition Digital Video Switcher with one M/E plus PGM/PST, while the HDS-7100 with one M/E •Extremely high quality digital video signal processing with sampling rate of 74.25 MHz/10 bits for HDVS (High Definition Video System) •Uses HD SDI for all video inputs and outputs, which conformed to SMPTE 292M through a single coaxial cable for wiring convenience and reliable transmission •HDS-7150 provides six auxiliary buses with access to 15 HD SDI inputs, while HDS-7100 provides two auxiliary buses and 10 HD SDI inputs. •Two powerful key processors and one DSK function for HDS-7150 and one for HDS-7100 are standard on each M/E. •One DSK for HDS-7150 •Two color background generators for HDS-7150 and one for HDS-7100 are provided as standard features •Various mix and wipe effects such as NAM, Super Mix, Circle, Star, Matrix, Diamond Dust, etc. •Up to 99 Snapshots of the switcher's entire panel set-up can be recalled. •99 effects memory of HDME time line sequences are provided (HDS-7150 is also equipped with a time line sequence memory function of the switcher) •Time line sequences for switcher (HDS-7150 only) •Accepts various formats– 1080/30PsF, 1080/24PsF, 1080/25PsF, Interlaced 1080/50Hz, 60Hz, 59.9Hz, or 1035i. •16:9 or 4:3 mode operation switchable •Familiar operating style control panels •High definition quality chroma key by HKDS-7031 •RGB color corrector by HKDS-7051 •Powerful plug-in DME by an HKDS-7061/7071 •A redundant power supply system for HDS-7150 is available by using two HKDS-7695 power supply units (option).

System Configuration

PROCESSOR	
HDS-7150:	Production Switcher Chassis
HDS-7100:	Production Switcher Chassis
HKDS-7031:	Chroma-key Board
HKDS-7051:	Color Correction Board
HKDS-7061:	Video Modifier Board
HKDS-7071:	Digital Multi Effects Board (requires HKDS-7061)
HKDS-7695:	Power Supply Unit

CONTROL PANEL

BKDS-7017:	Switcher Control Panel (for HDS-7150 System)
BKDS-2010:	Switcher Control Panel (for HDS-7100 System)
BKDS-7030:	Key Frame Control Panel Unit (for HDS-7150 System)
BKDS-7031:	DME Control Panel Unit (for HDS-7150 System)
BKDS-7033:	Memory Recall Control Panel Unit (for HDS-7150 System)
BKDS-7075:	Control Panel Remote Adapter (for BKDS-7030/7031/7033)
BKDS-7003:	Source Name Display
BKDM-3010:	DME Control Panel
CPD series:	Color Display Monitor
HZS-7040:	Operation Software (for HDS-7150)
HZS-7060:	Operation Software (for HDS-7100)

HKDS-7695 (Power Supply Unit)

Power requirements:	AC 100 to 120 V, 50/60 Hz
Current consumption:	30 A (Max.)
Dimensions:	424 (W) × 132 (H) × 542 (D) mm (16 3/4 × 5 1/4 × 21 3/8 inches)
Mass:	Approx. 20 kg (44 lb 1 oz)

BKDS-7017 (Switcher Control Panel for HDS-7150 system)

Dimensions:	850 (W) × 200 (H) × 496(D) mm (40 5/8 × 7 7/8 × 19 5/8 inches)
Mass:	Approx. 30 kg (66 lb 2 oz)

BKDS-2010 (Switcher Control Panel for HDS-7100 system)

Dimensions:	424 (W) × 120 (H) × 400 (D) mm (16 3/4 × 4 3/4 × 15 3/4 inches)
Mass:	Approx. 10 kg (22 lb 1 oz)

Specifications

	HDS-7150	HDS-7100
SIGNAL STANDARD	HD SDI conforming to SMPTE 292M	HD SDI conforming to SMPTE 292M
VIDEO INPUTS/OUTPUTS		
Primary inputs	HD SDI × 15	HD SDI × 10
Program outputs		HD SDI × 3
M/E program outputs	HD SDI × 2	
M/E preview outputs	HD SDI × 1	
Preview output		HD SDI × 1
Clean output		HD SDI × 1
Auxiliary bus outputs	HD SDI × 6 (× 2) (including Edit Preview)	HD SDI × 2 (× 2) (including Edit Preview)
Analog reference input		SD Black Burst
Analog reference output		HD Tri-level Sync
CONTROL INPUTS/OUTPUTS		
Switcher panel 1, 2		D-sub 9-pin, RS-422A
Switcher DME panel		D-sub 9-pin, RS-422A
DME panel		D-sub 9-pin or 25-pin, RS-422A
Editor (Switcher)	(× 2) D-sub 9-pin, RS-422A	(× 1) D-sub 9-pin, RS-422A
Editor (DME)		D-sub 9-pin, RS-422A
EXT DME	(× 2) D-sub 9-pin, RS-422A	(× 1) D-sub 9-pin, RS-422A
GPI (Switcher)		D-sub 25-pin, 8 inputs, 8 outputs, programmable
GPI (DME)	D-sub 25-pin, 7 inputs, 7 outputs, programmable	D-sub 9-pin, 7 inputs, 7 outputs, programmable
Serial link		D-sub 9-pin, RS-232C
Terminal		D-sub 9-pin, RS-232C
POWER REQUIREMENTS		DC 5 V, 3.3V, 12V, -5V
Dimensions		424 × 620 × 492 mm (16 3/4 × 24 1/2 × 19 3/8 inches) excluding protruding parts