

HSM Series Multi-format Routing Switchers for HD/SD Systems

The Ikegami HSM Series routing switchers are multi-format routers which enable flexible system integration in the transition period to DTV with HD and SD coexisting.

Multi-format 128x128 configuration in a 10 RU size

HSM-128X

The I/O signal is based on HD-SDI, but SD-SDI can be handled under the through mode (without re-clocking). The HSM-series routers can accept HD only, SD only, and HD/SD simultaneous application.

Features

Inputs and Outputs

Since internal signals are handled with serial digital signal, almost no distortion is generated in the routing switcher.

Changeable number of Inputs/Outputs

Each Input Module and Output Module has 16 connectors in one unit. By changing the number of modules, increasing/decreasing the number of inputs/outputs is possible.

Various format capability

Under through mode(without re-clocking), SD-SDI (D1) signal can be handled. Positive polarity output signal allows matrix switching of DVB-ASI signal.

Flexible HD/SD assignment

In the HD/SD coexisting application, independent HD/SD assignment is available in the single unit.

Redundant Power Supplies

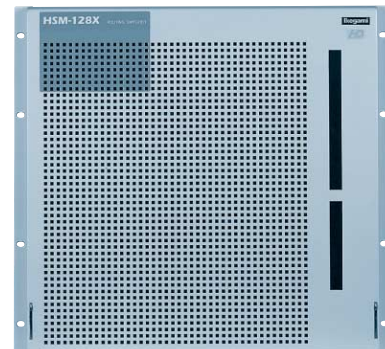
The HSM-128X works with two power units normally. Three or four power unit configuration is available. In the case of four power unit configuration, two units are for main power supply and the other two for back-up. The HSM-6464 and HSM-3216 can have a two power unit configuration, one for back-up.

Redundant CPU Board

The HSM-128X has two CPU board slots. Adding secondary CPU board, allows redundant configuration. Since each CPU board has a communication connector(Arcnet), the control path becomes redundant accordingly.

Arcnet facility

The HSM-series routers employ Arcnet for communication to the Control Panel. Command response doesn't change if multiple control panels are connected.



■ Front Panel



■ Rear Panel

Ratings and Performance

Input signal: HD-SDI(SMPTE292M/BTA S-004B) / SD-SDI(SMPTE259M) /DVB-ASI

Output signal: HD-SDI(SMPTE292M/BTA S-004B) / SD-SDI(SMPTE259M)

Power Voltage: AC 85V to 255V

Power Consumption: 500VA

Operating Temperature: 0 to 45 degree C

Dimensions:

H443.7(10RU) x W482.6 x D430mm for HSM-128X

H221.5(5RU) x W482.6 x D430mm for HSM-6464

H 88(2RU) x W482.6 x D430mm for HSM-3216

H 44(1RU) x W482.6 x D430mm for HSM-0808

Multi-format 64 x 64 configuration in a 5 RU size

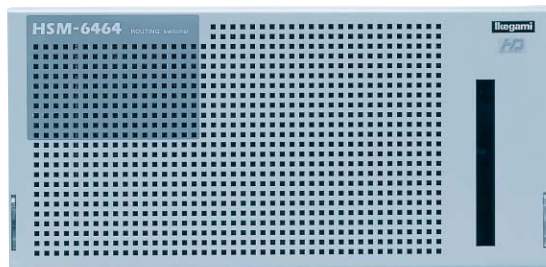
HSM-6464

Multi-format 32 input and 16 output configuration in 2 RU size

HSM-3216

Multi-format 8 x 8 configuration in a 1 RU size

HSM-0808



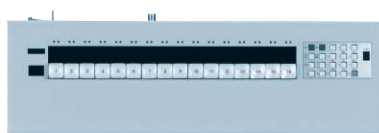
■ HSM-6464 Front Panel



■ HSM-6464 Rear Panel

Control Panel

To accommodate the various number of cross-points and panel locations, seven types of Control Panels are available. The control panels are connected to the router by a single 75ohm coax cable. In addition, external PC and optional software can manage cross-point assignment and source ID indication.



■ DCX-062



■ DCX-063



■ DCP-063

Model Name	Type	Dimensions
DCP-059	8 buttons/Rack-Mount	H44xW218xD250mm/H1.73xW8.58xD9.84inches
DCP-060	16 buttons/Rack-Mount	H44xW482.6xD350mm/H1.73xW19xD13.78inches
DCP-061	32 buttons/Rack-Mount	H88xW482.6xD350mm/H3.46xW19xD13.78inches
DCP-063	X-Y/Rack-Mount	H44xW218xD350mm/H1.73xW8.58xD13.78inches
DCX-062	16 buttons/Box	H65xW440xD135mm/H2.56xW17.32xD5.31inches
DCX-063	32 buttons/Box	H65xW440xD135mm/H2.56xW17.32xD5.31inches
DCX-064	64 buttons/Box	H65xW440xD235mm/H2.56xW17.32xD9.25inches

Design and specifications are subject to change without notice.

Ikegami **IKEGAMI ELECTRONICS (U.S.A.), INC.** ■ URL <http://www.ikegami.com>

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HEADQUARTERS 37 BROOK AVENUE, MAYWOOD, NJ 07607
Phone:(201) 368-9171 Fax:(201) 569-1626

WESTCOAST OFFICE 2631 MANHATTAN BEACH BLVD., REDONDO BEACH, CA 90278 Phone:(310) 297-1900 Fax:(310) 536-9550

SOUTHWEST OFFICE 526 BLUEBIRD LANE, RED OAK, TX 75154 Phone:(972) 869-2363 Fax:(972) 556-1057

MIDWEST OFFICE 747 CHURCH ROAD, UNIT C1 ELMHURST, IL 60126 Phone:(630) 834-9774 Fax:(630) 834-8689

SOUTHEAST OFFICE 5200 N.W. 33RD AVENUE, SUITE 111 FORT LAUDERDALE, FL 33309 Phone:(954) 735-2203 Fax:(954) 735-2227