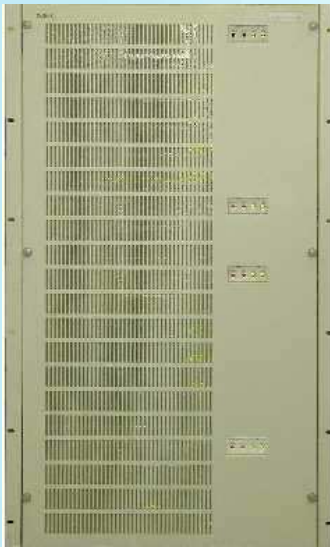
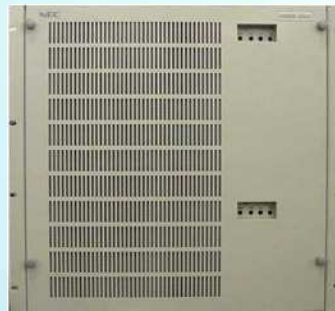


## HSMX-2000 MULTI-FORMAT ROUTING SWITCHER

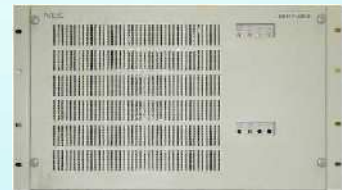
HSMX-2000 Multi-Format Routing Switcher can distribute various format/bit-rate of digital signals (143Mbps to 1.5Gbps). Therefore it is suitable for the signal distribution system which has to distribute HD-SDI, SD-SDI, and TS signals with a single routing switcher.



MTX256128 (256x128)



MTX128 (128x128)



MTX64 (64x64)

### Features

#### **Applicable for various bit-rate Signal; HD-SDI, SD-SDI and TS**

HSMX-2000A can distribute and reclock various format/bit-rate of signals such as 1.485Gbps (HD-SDI) , 270Mbps (D1-SDI, DVB-ASI, and SDTI) , and 143Mbps(D2-SDI).

#### **Ability of Two Different Timing of V-Blanking Switching.**

HSMX-2000A has two reference signal inputs. With two different timing of reference signals, it can switch its crosspoints in two different timing of V-blanking.

#### **Control with LAN Network**

It is controlled with BS-NET III (75Ohm-Coaxial LAN), so LAN control network can be easily composed.

#### **Compact Size of Shelves**

128 x 128 (MTX128): 10RU. 256 x 128(18U) and 64 x 64 (6U) are in line-up.

#### **Flexible Configuration**

The number of both input and output of HSMS-2000A can be increased by 16. low-cost input and output units for SD-SDI and TS are also available. The most suitable size of matrix can be easily composed.

#### **Redundancy**

Redundant power supply unit and redundant control unit are available as options.

# HSMX-2000A Multi-format Routing Switcher

## Functions

- Automatic Cable Equalizing  
HSMX-2000A has automatic cable equalizing in its inputs for more than 100m@1.485Gbps, and 250m@270Mbps of 5C-FB cable.
- Automatic Reclocking  
HSMX-2000A reclocks automatically its output signals whose bit-rate are 143Mbps, 177Mbps, 270Mbps, 360Mbps, 540Mbps, 1.485/1.001Gbps, or 1.485Gbps.
- Monitoring  
HSMX-2000A has offline input monitor, one per 32 output.

## Composition

Type	Maximum Size of Crosspoints	Height of Shelf
HSMX-2000 MTX256128	256 x 128	18RU
HSMX-2000 MTX128	128 x 128	10RU
HSMX-2000 MTX64	64 x 64	6RU

## Specifications of input and output signals

Signal Formats	Bit-rate	Specifications
HD-SDI	1.485Gbps, 1.485/1.001Gbps	SMPTE-292M
SDI(NTSC-D2)	143Mbps	SMPTE-259M-A
SDI(PAL-D2)	177Mbps	SMPTE-259M-B
SDI(525D1,625D1)	270Mbps (NRZI)	SMPTE-259M-C
SDI(525p,525/625-16x9)	360Mbps	SMPTE-294M, 259M-D
SDI(525p)	540Mbps	
DVB-ASI MPEG	270Mbps(NRZ)	DVB A010
SDTI	270Mbps (NRZI)	SMPTE-305M

## General

Power Requirement / Power Consumption 256 x 128 128 x 128 64 x 64	AC100 to 240V +/- 10%, 50/60Hz About 1,600VA About 900VA About 500VA
Operation Temperature	0 degree to 40 degree Celcius
Dimensions 256 x 128 128 x 128 64 x 64	799(H) x 480(W) x 500(D)(mm) 443(H) x 480(W) x 500(D)(mm) 266(H) x 480(W) x 500(D)(mm)
Input and Output Impedance	75 ohm, unbalanced
Input and Output Return Loss	More than 15dB (5MHz to 1.485GHz)
Length of Cable equalizing	More than 100m@1.485Gbps, and More than 250m@270Mbps (for 5C-FB cable, or equivalent)



### Safety precautions

To install, make connections and operate this product, please carefully read and observe instructions, precautions and recommendations in our instruction manuals.

The colors in this brochure may differ from those of the actual unit. Designs and specifications of this product is subject to change without prior notice.

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