

MF-700 Series Audio Video Converter

Designed and developed for compact-size, high performance, and low cost, the MF-700 Series Audio Video Converter is an Audio Video Converter suitable for building an efficient digital broadcasting system. Different card types can be mixed and mounted on an MF-730/opt Multi-Functional Frame and MF710/opt Multi-Functional Frame.



MF-730/opt Multi-Functional Frame
(Max. 14 card pairs mountable)



MF710/opt Multi-Functional Frame
(Max. 3 card pairs mountable)

Features

For high quality video, highly efficient digital broadcasting systems

NEC's unique video processing technologies result in high quality video. The Series also include cards supporting embedded audio for efficient systems.

Free combination of cards

A combination of different cards (MF700 & NOIF3000 series) can be mounted in a single MF-730/opt and MF-710 frame for efficient mounting and this enables to establish easily various systems combining conversion of A/S, D/A, FS, DDA etc and optical transmission.

Power supply in a redundant system

Power supply can be configured as a optimum redundant system.

Hot-swappable plug-in design

Each card and power supply can be replaced with the power on for better maintainability.

Monitoring & Configuration

The status of each card can be monitored via SNMP. And settings of each card can be configured with remote PCs.

MF-700 Series

Audio Video Converter

Lineup

Model	Description	Remarks
DC700AV	Down Converter	Supporting embedded audio
UC700AV	Up Converter	Supporting embedded audio
HFS700	HDTV Frame Synchronizer	1H-DELAY & 1H-AVDL available
HFS700AV	Audio & HDTV Frame Synchronizer	1H-DELAY & 1H-AVDL available , Supporting embedded audio
HFS700AES	Audio & HDTV Frame Synchronizer	AES/EBU input support
HMPX700	HDTV Video Audio Multiplexer	AES Audio, Analog Audio input type available
HDMPX700	HDTV Video Audio Demultiplexer	AES Audio, Analog Audio output type available
AD700	A/D1 Converter	Converting from NTSC,PAL to D1-SDI
EAD700	A/D Converter	Converting from NTSC to D1-SDI for Remote Resource (with TBS function)
DA700	D/A Converter	Converting from D1-SDI to NTSC,PAL
R700D2D1	D2/D1 Converter	Converting from D2 to D1 for NTSC
R700D1D2	D1/D2 Converter	Converting from D1 to D2 for NTSC
SFS700	SDTV Frame Synchronizer	1H-DELAY & 1H-AVDL available
SFS700AV	Audio & SDTV Frame Synchronizer	1H-DELAY & 1H-AVDL available , Supporting embedded audio
SFS700AES	Audio & SDTV Frame Synchronizer	AES/EBU input support
SMPX700D1	SDTV Multiplexer	AES Audio, Analog Audio input type available
SDMPX700D1	SDTV Demultiplexer	AES Audio, Analog Audio output type available
DDA700	Multi-Format D D A	HD/SD SDI Signal Distribution
VDA700	NTSC Signal Distribution	Analog NTSC,PAL Signal Distribution
EMC100	Ethernet Media Converter	100BASE-TX Optical Transmission Unit
SSW700	SDI Seamless Switcher	SDI Signal 2:1 Change Over Automatically

*1 The type with the suffix AV supports embedded audio and can process the video with multiplexed audio.

*2 For details, see brochures of the individual cards.

*3 The card can be mounted in the MF-730 Multi-Functional Frame.

MF-730/opt MF-710/opt Multi-Functional Frame

	MF-730/ opt Multi-Functional Frame (3RU)	MF-710/ opt Multi-Functional Frame (1RU)
Number of cards mountable	Max. 14 card pairs*1	Max. 3 card pairs*1
Operation temperature	0 ~ 40	0 ~ 40
Configuration	(1) Frame 1 set (2) Power supply unit 1 set*2	(1) Frame 1 set
Dimensions	132mm (H, 3RU) x 480mm (W) x 500mm (D)	44mm (H, 1RU) x 480mm (W) x 470mm (D)
Power supply	(1) Input voltage: AC85V ~ 264V (single phase) (2) Frequency: 47 ~ 63Hz (3) Power consumption: 350VA (with maximum load)*3	(1) Input voltage: AC85V ~ 264V (single phase) (2) Frequency: 47 ~ 63Hz (3) Power consumption: 350VA (with maximum load)*3

*1 Number of cards mountable indicates the maximum number of the MF-700 Series cards (except power supply unit and CPU card) that can be mounted on each frame.

*2 One set of power supply unit (option) will be added in a redundant system.

*3 The power consumption value indicated is measured under maximum load. Actual power consumption varies depending on the type(s) and quantity of cards mounted in the frame.



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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ISO 9000 Series



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NEC Broadcast and Video

ISO 14001



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