

# Audio Video Converter

Designed and developed for compact-size, high performance, and low cost, the MF700 Series is suitable for building an efficient digital broadcasting system. Different card types can be mixed and mounted on an MF730/NOIF(3RU) and MF712/NOIF(1RU) Multi-Functional Frame.



**MF730/NOIF 3RU Multi-Functional Frame**  
(Max. 14 card pairs mountable)



**MF712/NOIF 1RU 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.

### SDI Signal Free combination of cards

A combination of different cards (MF700 & NOIF series) can be mounted in a single MF730/NOIF and MF712/NOIF 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.

## 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 Conveter	Converting from NTSC to D1-SDI
EAD700	A/D Conveter	Converting from NTSC to D1-SDI (with TBS function)
DA700	D/A Conveter	Converting from D1-SDI to NTSC
R700D2D1	D2/D1Conveter	Converting from D2 to D1
R700D1D2	D1/D2Conveter	Converting from D1 to D2
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 DDA	HD/SD SDI Signal Distribution
VDA700	NTSC Signal Distribution	Analog NTSC Signal Distribution
EMC100	Ethernet Media Converter	100BASE-TX Optical Transmission Unit
SSW700	SDI Seamless Switcher	SDI Signal 2:1 Change Over Automatically
NOIFseries	SDI Optical Fiber Transport Series	NOIF2500,NOIF3000 Series

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

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

\* These cards can mount in the MF730/NOIF & MF712/NOIF Multi-Functional Frame.

## MF730/NOIF, MF712/NOIF Multi-Functional Frame

Frame Type	MF730/NOIF Multi-Functional Frame Rack mount type (3RU,14slots)	MF712/NOIF Multi-Functional Frame Rack mount type (1RU,3slots)
Dimensions	480 (W) x 132 (H) x 500 (D) mm	480 (W) x 44 (H) x 500 (D) mm
Weight	9kg (frame only)	5kg (frame only)
Power supply	85 to 264V AC (Single phase)	85 to 264V AC (Single phase)
Power Consumption	350VA (Max. Load)	130VA (Max. Load)
Operation Temperature	0°C to 40°C	0°C to 40°C

\* Number of cards mountable indicates the maximum number of the MF700 Series cards (except power supply unit and CPU card) that can be mounted on each frame.

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

\* 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.

ISO 9000 Series



ISO 9001 JMI-0119  
NEC Broadcast and Video

ISO 14001



JQA-E-90066  
NEC



### Safety precautions

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

● The colours 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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