XF-700 Series
Board Type Codec & Multiplexer

The XF-700 series is a frame for board type Codec and Multiplexer developed based on the basic concepts of smaller size, higher performance and lower price, and enables you to construct a flexible and high efficient digital broadcast system. Different board types can be mixed and mounted on the XF-730(3RU) and XF-712(1RU) frames.

Features

Flexible digital broadcast system can be constructed
• The 3RU rack mounting type frame provides you with seven slots for General-purpose; for example ENC/DEC card. Another three slots for excluding MUX, SYNC and CPU slots. Installing various XF-700 series boards used for their unique application enables you to construct a flexible digital broadcast system.
• The 1RU rack mounting type frame is compact in design with three slots equipped, excluding a CPU slot.

Hot-swappable plug-in design
• Each board and power supply can be replaced with the power on for better maintainability.

Monitoring/setting control
• Supports SNMP to monitor each board status.
• The setting can be done by computer via Ethernet.

Power supply in a redundant system
• Power supply can be configured as an optimum redundant system.

NEC Corporation
http://www.nec.com/global/prod/nw/broadcast/
Board Lineup

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Product Name</th>
<th>Number of Input</th>
<th>Number of Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>XE-5330</td>
<td>MPEG-2 Encoder Board</td>
<td>SDI (1), BB (1), Ethernet(2)</td>
<td>TS-OUT (3), ALARM (1)</td>
</tr>
<tr>
<td>XE-7330</td>
<td>H.264 High Profile Encoder Board</td>
<td>SDI (1), BB (1), Ethernet(2)</td>
<td>TS-OUT (3), ALARM (1)</td>
</tr>
<tr>
<td>XE-7030</td>
<td>H.264 One Segment Broadcast Encoder Board</td>
<td>SDI (1), BB (1), Ethernet(1)</td>
<td>TS-OUT (3), ALARM (1)</td>
</tr>
<tr>
<td>XD-7370</td>
<td>H.264/MPEG-2 Monitoring Decoder Board</td>
<td>TS-IN (1), BB (1), Ethernet(1)</td>
<td>SDI-OUT (2), ALARM (1)</td>
</tr>
<tr>
<td>XM-1630</td>
<td>ISDB-T Transmit Multiplexing Board</td>
<td>TS-IN (4 to 6), CLK (1), IPPS(1), STC (1)</td>
<td>TS-OUT (3)</td>
</tr>
<tr>
<td>XF7-SY30-R</td>
<td>Sync Signal Distribution Board</td>
<td>CLK (1), IPPS(1), STC(1)</td>
<td></td>
</tr>
<tr>
<td>XF7-GP30-R</td>
<td>General-purpose Input/Output Board</td>
<td>Input (20)</td>
<td>Output (20), Output (40)</td>
</tr>
<tr>
<td>XF7-CT30</td>
<td>CPU (XCONT) Board</td>
<td>BB-IN (1), Ethernet(1)</td>
<td>ALARM (1)</td>
</tr>
</tbody>
</table>

Composition example

**XF-730**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

**XF-712**

XF-730/XF-712 Codec&Multiplexer Frame

- Rack Mounting Type (3RU, F1 7slot, F2 3slot) *1
- Rack Mounting Type (1RU, 3slot) *2
- External dimensions: 480(W) x 132(H) x 500(D) mm, 480(W) x 44(H) x 500(D) mm
- Weight: 9 kg (frame only), 5 kg (frame only)
- Power supply: 85 to 264 V AC (single phase) *3, 85 to 264 V AC (single phase) *3
- Power consumption: 350 VA (for max. load) *4, 130 VA (for max. load) *4
- Operation temperature: 0 °C to 40 °C, 0 °C to 40 °C

*1 The number of installable boards is that of maximum installable boards for the XF-730 frame, excluding MUX, SYNC and CPU boards as well as excluding a PS unit.
*2 The number of installable boards is that of maximum installable boards for the XF-712 frame, excluding a CPU board and a PS unit.
*3 For the dual-redundant power supply configuration, you should optionally add another power supply.
*4 The value of power consumption is that for maximum load. The power consumption varies depending on the types and number of boards installed in the frame.

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