This unit adjusts the frame phases between individual input signals for the multiple broadcasting TS signals having a different phase relative to each other, which are compliant with the ISDB-T transmission scheme and performs system switching with the ISDB-T frame structure maintained to output the processed TS signal.

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**Features**

- **Supports maximum three inputs of TS signals**
  The unit accepts up to three inputs of broadcasting TS signals and performs system switching with the ISDB-T frame structure maintained to output the processed TS signal.

- **Supports dual-redundant PS**
  The unit supports a dual-redundant configuration for the power supplies.

- **Automatic adjustment of frame phase**
  The unit detects an ISDB-T frame sync signal from each input broadcasting TS signal, and automatically adjusts the frame phase difference of each input signal.

- **Supports seamless switching**
  By integrating this unit into a complete system with NEC ISDB-T sync signal generator and NEC MUX unit, you can switch between the broadcasting TS signals outputted from the main and standby MUX units with the ISDB-T frame structure maintained.

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NEC Corporation
http://www.nec.com/global/prod/nw/broadcast/
## Specifications

<table>
<thead>
<tr>
<th>Input signal</th>
<th>Output signal</th>
<th>Sync signal</th>
<th>Control signal</th>
<th>Operation temperature</th>
<th>Power supply</th>
<th>Power consumption</th>
<th>External dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Broadcasting TS signal</td>
<td>(1) Broadcasting TS signal</td>
<td>(1) ISDB-T system clock signal or 10 MHz clock signal</td>
<td>(1) System selection (System 1/2/3)</td>
<td>0 °C to 40 °C</td>
<td>85 to 264 V AC, 50/60 Hz single phase</td>
<td>50 VA or less</td>
<td>44(H) × 480(W) × 525(D) mm</td>
<td>9 kg or less</td>
</tr>
<tr>
<td>MPEG2-TS, DVB-ASI</td>
<td>MPEG2-TS, DVB-ASI</td>
<td>0.8 Vp-p/75 Ω, Frequency ±0.1 ppm</td>
<td>No-voltage contact</td>
<td>3 channels *1</td>
<td>4 channels *1</td>
<td>1 channel *2</td>
<td>1 channel</td>
<td></td>
</tr>
<tr>
<td>(2) STC/GOP/ISDB-T frame sync signal</td>
<td>(2) Alarm signal</td>
<td>(2) STC/GOP/ISDB-T frame sync signal</td>
<td>Open collector</td>
<td>1 channel *3</td>
<td></td>
<td>1 channel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPEG2-TS, DVB-ASI</td>
<td>(3) Status signal</td>
<td></td>
<td>No-voltage contact or open collector</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*1 (1) 204 byte format, compliant with both burst mode (byte mode) and packet mode.
(2) Supports the broadcasting TS signal of ISDB-T transmission scheme with the transmit control information (ISDB-T information) and RS error correction code added.
(3) Supports an input TS bitrate of 32.5 Mbps, 37.9 Mbps and 43.3 Mbps.

*2 (1) In order to generate a broadcasting TS transmission clock for the output processing system in this unit, you are requested to prepare a reference signal with stable frequency accuracy such as cesium and rubidium oscillators.

*3 (1) Compliant with188 byte format, packet mode.
(2) Inputs the output signal of ISDB-T Sync Signal Generator (TS-G1630).