NA8000 transmits video contents over IP with less packet losses. FireFort®-LDGM codes corrects IP packet losses more than 10 times better compared to Pro-MPEG FEC.

Key features

- IP packetization of MPEG-2 transport stream with DVB-ASI interface
- Standard feature includes FireFort®-LDGM, Pro-MPEG FEC, ARQ
- 100Base-TX / 1000Base-T support, transmission input as much as 160Mbps
- Supports Unicast / Multicast
- Supports IPv4 / IPv6
- 1U half-rack compact body
- Fan with less noise
- RoHS Compliant

* FireFort®-LDGM (Low-Density Generator Matrix): One of FEC (Forward Error Correction) codes, which is categorized into the codes called LDPC (Low-Density Parity Check). NTT Laboratories improved original LDGM codes to be a FireFort®-LDGM, which is a superb FEC codes that makes IP transmission robust keeping calculation cost low. LDGM itself has become a part of a standard ISO/IEC 23008-10. It can use longer codes compared to well-known Pro-MPEG FEC or Reed-Solomon Coding and strong against burst packet losses. It is suitable in the transmission of HD contents, as well as UHDTV (Ultra High Definition Television) contents in the near future.
**Application**

NA8000T (DVB-ASI to IP converter)

NA8000R (IP to DVB-ASI converter)

**Specifications**

<table>
<thead>
<tr>
<th>Category</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPEG-2 Transport Stream</td>
<td>Interface: DVB-ASI Packet Size: 188/204 Bytes</td>
</tr>
<tr>
<td></td>
<td>Network: Ethernet, IPv4/IPv6, IGMP v2/v3, MLD v2, SNTP, DHCP, Ping, PPPoE, Syslog</td>
</tr>
<tr>
<td></td>
<td>Control: Power ON/OFF key, RESET Button, LAN-GbE 10BASE-T/100BASE-T/100BASE-T(RJ-45), LAN-FE 10BASE-T/100BASE-T(RJ-45)</td>
</tr>
<tr>
<td></td>
<td>Other: Dimensions, Weight: W210xD300xH44 (mm), Not including protrusion, 2.6kg or less</td>
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<tr>
<td></td>
<td>Power Source: AC100 - 240V, 50Hz/60Hz</td>
</tr>
<tr>
<td></td>
<td>Power Consumption: 25W or less</td>
</tr>
<tr>
<td></td>
<td>RoHS Compliant: This product is RoHS compliant</td>
</tr>
</tbody>
</table>

**Caution**

Please use our products in accordance with the instructions provided in the manual, user's guide or specifications attached.

- Our company may change specifications and the appearance for improvement that are incidental to the product without providing prior notice. At the purchase and the use of the product, please confirm the latest information.
- Exporting our products or technologies may be subject to the Foreign Exchange and Foreign Trade Law of Japan and export control acts and regulations of other related countries.

**NTT Electronics Corporation**

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