

NA8000

Robust IP Transmission with Next Generation FEC: FireFort®-LDGM*



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.

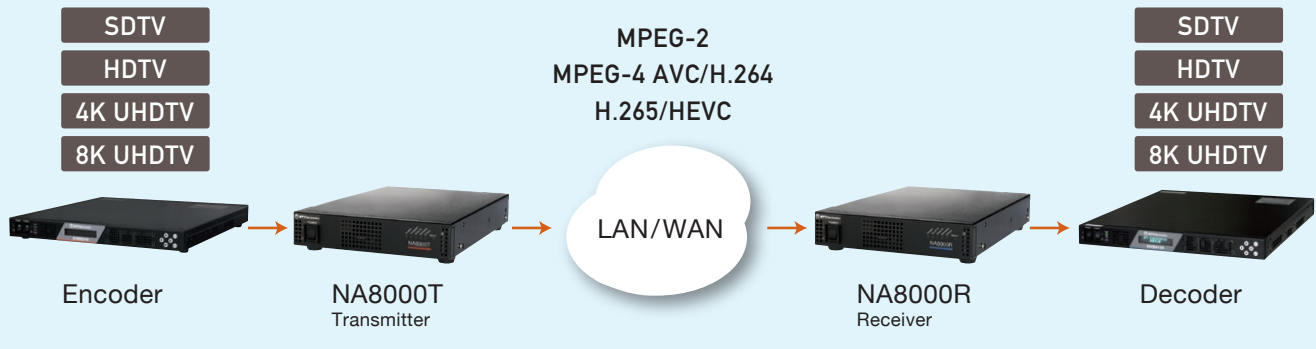
Key features

- 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) :

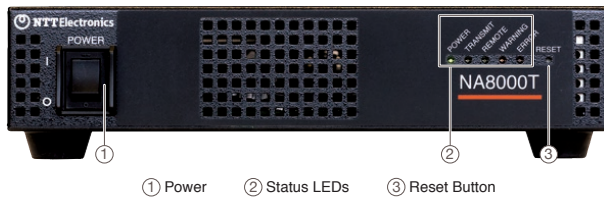
One of FEC (Forward Error Correction) codes, which is categorized into the codes called LDPC (Low-Density Parity Check). NTT Laboratories improved original LDGM codes to be a FireFort® -LDGM, which is a superb FEC codes that makes IP transmission robust keeping calculation cost low. LDGM itself has become 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

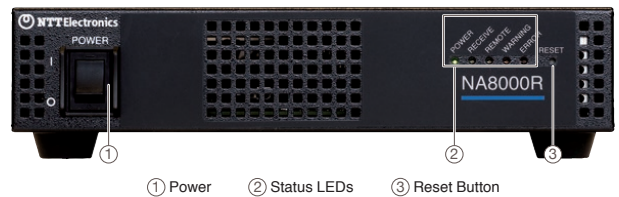


Front Panel

NA8000T (DVB-ASI to IP convertor)

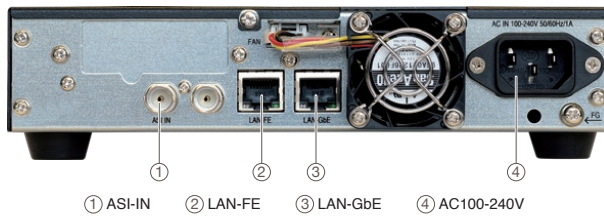


NA8000R (IP to DVB-ASI convertor)

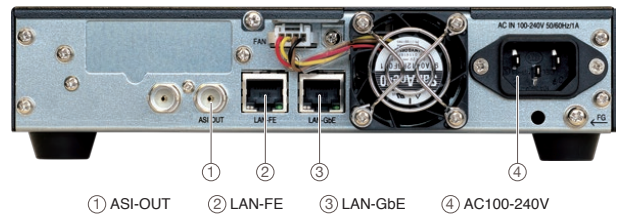


Rear Panel

NA8000T (DVB-ASI to IP convertor)



NA8000R (IP to DVB-ASI convertor)



Specifications

Category		Specification
MPEG-2 Transport Stream	Interface	DVB-ASI
	Packet Size	188/204 Bytes
Network	Interface	LAN-GbE 10BASE-T/100BASE-TX/1000BASE-T (RJ-45), LAN-FE 10BASE-T/100BASE-TX (RJ-45)
	Transmission	RTP/UDP/IP, Unicast / Multicast
	Network	IPv4/IPv6, IGMP v2/v3, MLDv2, SNMP, DHCP, Ping, PPPoE, Syslog
	FEC	FireFort®-LDGM, FEC (Pro-MPEG COP#3 R2), ARQ
Control	Interface	Power ON/OFF key, RESET Button, LAN-GbE 10BASE-T/100BASE-TX/1000BASE-T (RJ-45), LAN-FE 10BASE-T/100BASE-TX (RJ-45)
	Device Monitor Control	Web GUI, SNMP v1/v2c
Other	Simultaneous Output of 2xIP Streams, Seamless Protection Switching	
Dimensions, Weight	W210xD300xH44 (mm) Not including protrusion, 2.6kg or less	
Power Source	AC100 - 240V, 50Hz/60Hz	
Power Consumption	25W or less	
RoHS Compliant	This product is RoHS compliant	

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- 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.



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