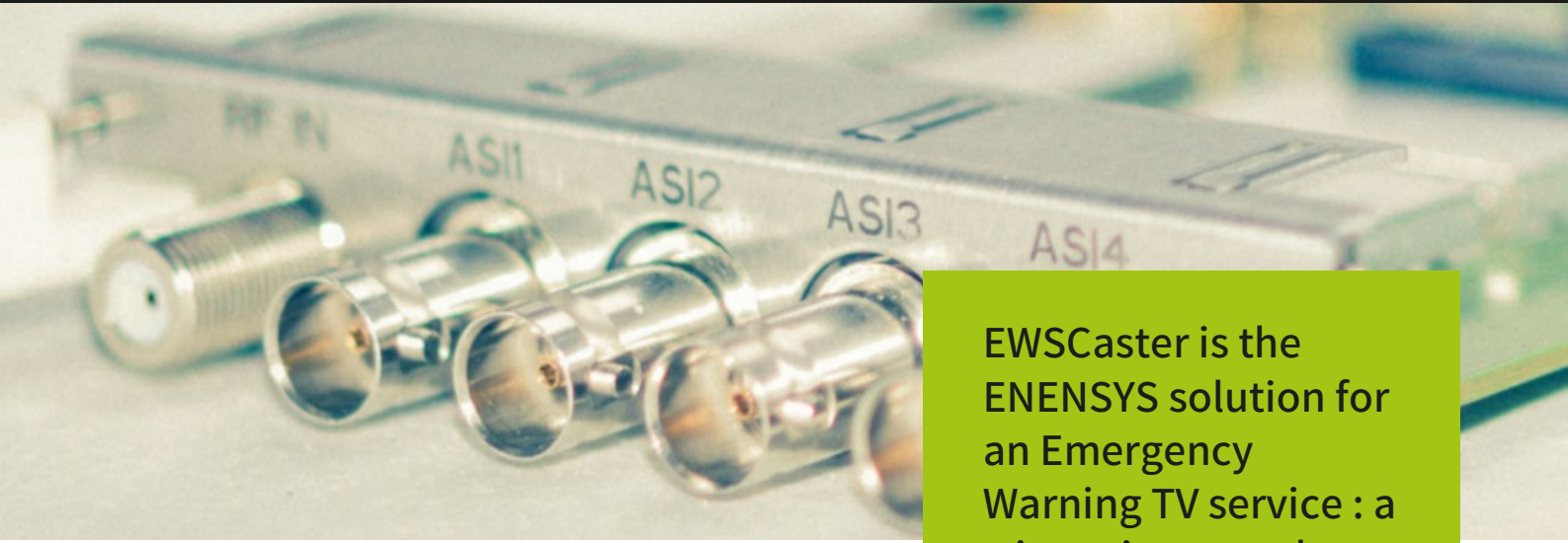


EWSCaster

EWS trigger inserter



EWSCaster is the ENENSYS solution for an Emergency Warning TV service : a trigger inserter that can manage emergency alerts on a regional network.

The EWSCaster is ENENSYS' solution to replace all normal TV services in a DVB-T2 multiplex with an Emergency Warning TV service. EWSCaster is a trigger inserter, it can manage emergency alerts on a regional basis to inform terrestrial TV viewers of immediate dangers. The ENENSYS solution for Emergency Warning uses standard TV receivers that do not need to be modified in any way or require any special software.

EWS trigger Generation

The EWSCaster is the EWS trigger inserter within the ENENSYS solution, it can generate up to 8 triggers simultaneously. Signalling is sent continuously, with a regular heartbeat, to allow monitoring.

EWS trigger delivery

The EWSCaster delivers all the signalling and triggers to the T2Edge or TxEdge. Upon a trigger reception, the T2 or TxEdge will perform the replacement of the TV service by the Emergency Warning TV service.

Regional EWS

The EWSCaster can generate up to 8 different triggers simultaneously; each trigger may reference up to 80 regions and 255 sub-regions. The T2Edge or TxEdge devices are addressable so that an alert can be signalled to one region (group of transmitters) for a tsunami whilst a second region can provide a different alert for flooding, for example.

EWSCaster

EWS trigger inserter

Applications

- Emergency Warning System on DTT platform
- Regionalization support
- SFN broadcasting

Other benefits

- Keepalive trigger generation
- Regionalization support (rEWS™)
- SI independent to guarantee EWS Alert deliver
- In-band or out-of-band delivery of EWS trigger
- Simultaneous triggers generation
- IP input and output support

Technical specifications

INPUTS

Control

1x Gigabit Ethernet (RJ45)
for GUI/SNMP

MPEG-2 TS

2x redundant ASI (BNC) inputs
1x Gigabit Ethernet (RJ45)
for UDP/IP input streams

OUTPUTS

T2-MI/MPEG-2 TS

2x mirrored ASI (BNC) outputs
1x Gigabit Ethernet
for RTP/UDP/IP output streams

FEATURING

EWS trigger generation

Continuous EWS trigger insertion
Configurable insertion period
Up to 8 alerts can be declared

rEWS™

Regional EWS (rEWS™) enabler
Up to 80 regions per alert
Up to 255 zones (sub-regions) per alert

Monitoring and Supervision

Real-time monitoring of incoming TS
Easy-to-use web based GUI
Full SNMP v2 support
Easy integration into NMS

EWS trigger delivery

In-band trigger delivery within DTH stream or T2-MI stream
Out-of-band trigger delivery - applies for T2EdgeDTH that receives EWS trigger separately from DTH stream

IP management

IP input and output support
FEC generation (Pro MPEG CoP#3) to cope with packet loss

EWSCaster

EWS trigger inserter

PHYSICAL

HDc

Width

443,7 mm / 17.46 in.

Format

1 RU, width 19"

Power supply

100-240V 50/60Hz or 48V DC

Data IP Ports

2x Gigabit Ethernet (RJ45) data port

Operating temperature

0 to 50°C / 0 to 122°F with 3 modules - 0 to 45°C / 0 to 113°F with 6 modules

Height

43 mm / 1.69 in.

Depth

322,8 mm / 12,70 in.

Front Panel

LCD Display and controls

Control IP Port

1x Gigabit Ethernet (RJ45) control port

Power consumption

20W/module

Front

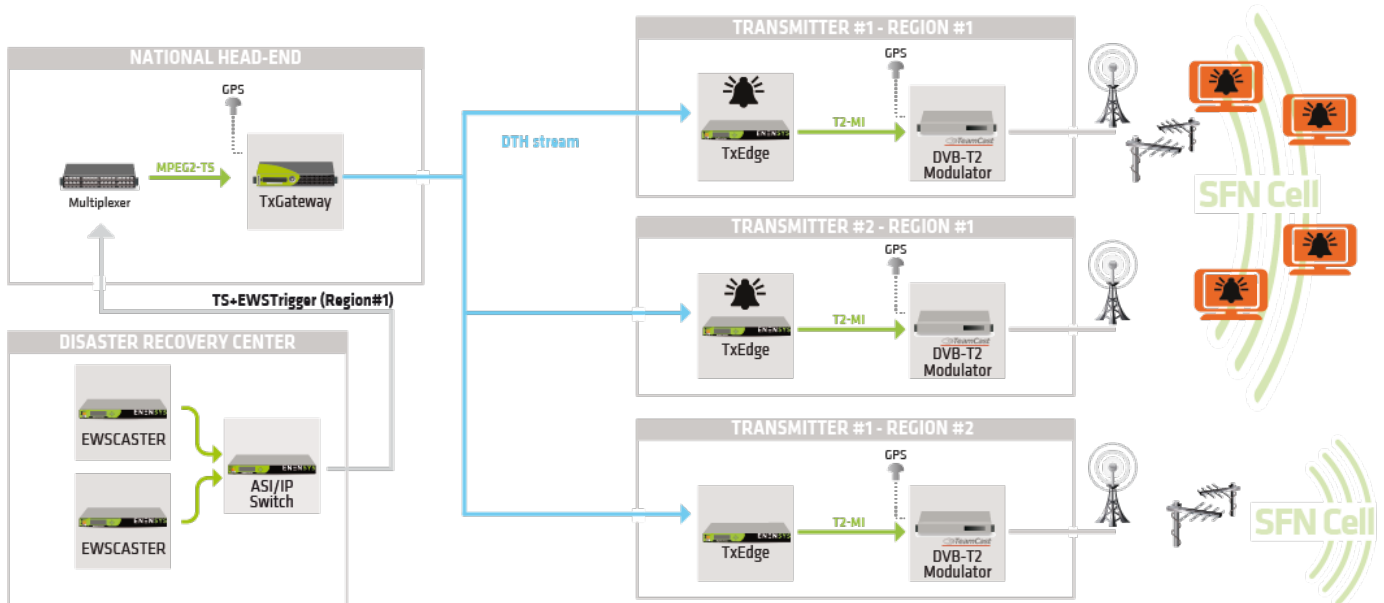


Back



EWSCaster

EWS trigger inserter



Ordering codes

HDc-220VRedundant

High Density chassis with 2x 220V AC Power supplies

HDm-EWSCaster module

EWS trigger inserter module for HDc chassis using 1 slot with 2x DVB-ASI inputs and 2x DVB-ASI outputs

HDc-48VRedundant

High Density chassis with 2x 48V AC Power supplies

HDm-EWSCaster-IP module

EWS trigger inserter module for HDc chassis using 2 slots with 2x DVB-ASI inputs and 2x DVB-ASI outputs and 2xIP inputs/outputs