

NIELSEN® WATERMARK ENCODER FOR IP NETWORKS (NWE-IP)

The Nielsen® Watermark Encoder IP (NWE-IP) provides peace of mind in the final stages of your signal processing chain. NWE-IP robustly solves your TV and radio station watermarking needs in broadcast and playout workflows where native IP, Ember+ control, 2022-7 redundancy and low latency processing are required. Where integrated products such as channel-in-a-box bring churn and delay caused in part by the uncertainty contained within new releases of firmware, NWE-IP avoids this entirely.



**BASED ON
SOFTGEAR™**

Modern OS-level virtualization technology allows easy scaling, migration and redundancy, providing ultimate flexibility in deployments.



MULTIPLE AUDIO WORKFLOWS

The only 1RU standalone Nielsen Watermark Encoder for audience measurement with support for up to 4 independent AES67 streams and up to 32 audio channels



RELIABLE

NWE-IP offers a robust, path-protected, and standalone solution for your transmission needs in program playout and distributed environments.

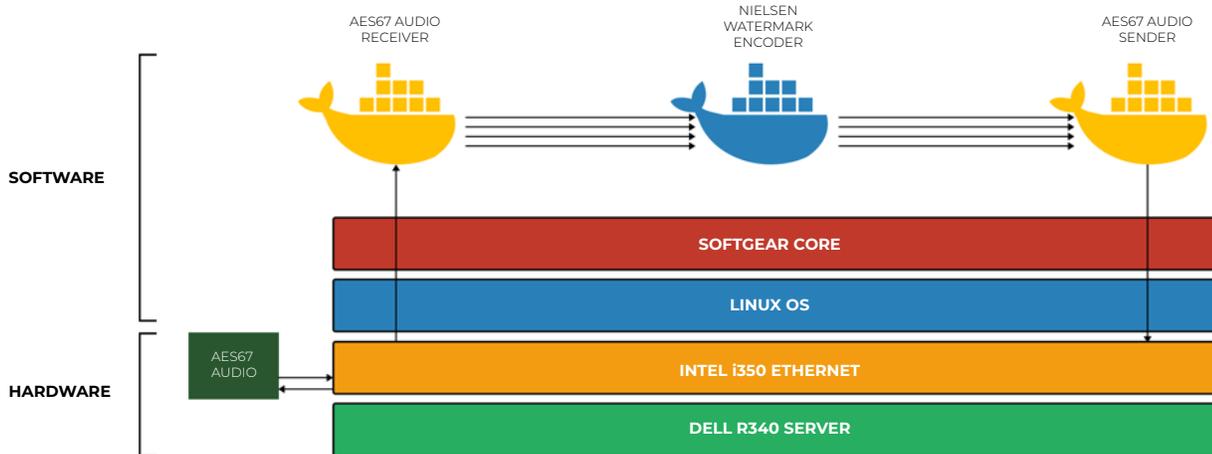


WHAT IS EXCITING ABOUT NWE-IP?

- It is the first Nielsen Watermarking Encoder produced by Ross for SMPTE 2110 IP based workflows. The transport is natively IP and NWE-IP is the first product in softGear's product portfolio.
- Inside the NWE-IP box, that is an Commercial-Off-The-Shelf Dell system, we have five components running on top of softGear framework.
- We have AES-67 Receiver and Transmitter, that are basically de-packetizing and packetizing the IP streams, Audio mappers to map and group individual channels and we also have the most important component, The Nielsen Watermarking Encoder.

FEATURES

- 4x Nielsen Watermark Encoder SID/CSID (NW/CBET) per Dell 1RU server
- Each Nielsen Watermark Encoder encodes up to 8 audio channels (1 stereo pair and/or a 5.1 surround)
- 1RU Linux-based server platform with SLC SSD (Solid State Disk) for high reliability
- ST 2110-30 and AES67 compliant transport
- 48 kHz L24 audio
- 125µs or 1ms packet time with flow containing up to 8 channels
- PTP AES-67 and ST-2059 profiles
- RTP timestamp handling: source or re-stamp
- Latency < 40ms, Full DashBoard control/upgrades, Dual 1000baseT Gigabit Ethernet
- ST-2022-7 seamless protection switching
- Ember+ configuration, control and alarms



ORDERING INFORMATION

SG-NWE-IP-TV-PKG

Nielsen Watermark Encoder for IP Networks

