

## 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

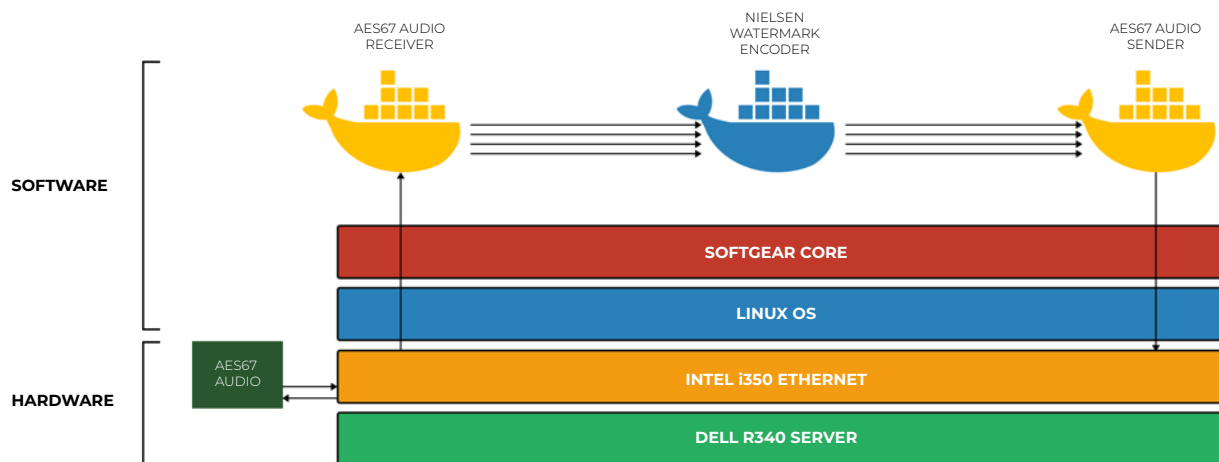
NWE-IP offers a robust, path-protected, and standalone solution for your transmission needs in program playout and distributed environments.

## 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

