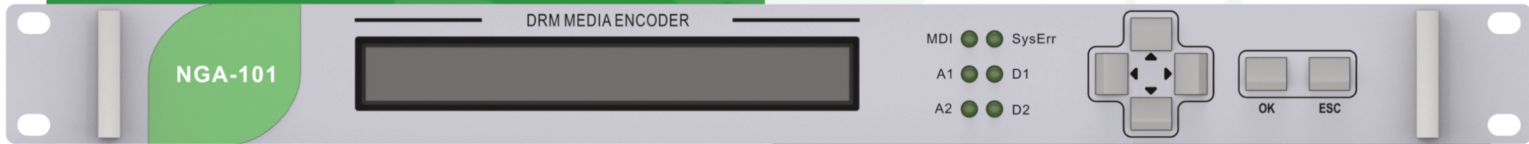


NGA-101

DRM Media Encoder



Product Overview

The Newglee NGA-101 DRM Media Encoder is a professional-grade digital broadcast headend designed to create, manage, and output standards-compliant Digital Radio Mondiale (DRM) multiplex. It provides an intuitive web interface for combining audio, text, images, and data services into multiplexed streams for transmission to DRM modulators.

Highlights

- **End-to-End DRM Workflow:** Streamlines creation, multiplexing, and output of DRM broadcasts.
- **Web-Based Management:** Intuitive GUI for service configuration, multiplexing, and real-time monitoring.
- **Multi-Service Support:** Combines audio, DRM text, MOT slideshows, and Journaline® interactive data.
- **Robust Output:** MDI/DCP streaming with configurable error protection (PFT) for resilient transmission.
- **Hardware Integration:** Dual analog/digital audio inputs, redundant networking, and front-panel diagnostics.

Features

- **MDI/DCP AF:** supported.
- **MDI/DCP PFT:** different protection levels supported.
- **Modes:** A, B, C, D compatible.
- **Modulation:** 16QAM, 64QAM.

Technical Specifications

DRM Features

- Robustness Mode: A, B, C, D (DRM30);
- Standards: ETSI ES 201 980 DRM

DRM Features

- Protection: EEP/UEP with all coding rates and protection ratios
- Service types: Audio (USAC), DRM text, MOT slideshows (JPG/PNG), Journaline® interactive data
- Output Protocol: MDI/DCP (UDP) with AF/PFT modes

Interfaces (Input & Output)

- Analog Audio Inputs: 2 x Stereo Analog (XLR/TRS)
- Digital Audio Input: 2x AES/EBU(XLR)
- Ethernet: 2x 10/100/1000BASE-T (RJ-45) for management and data output (or remote data backup)
- USB: 1xUSB type A for device configuration or future feature expansion

Management

- Web: Integrated web console
- LCD: 2 x 40 front panel LCD for status monitoring
- SNMP

Physical & Environment

- Mounting: 1RU 19" rackmount chassis
- Dimensions (W x H x D): 438mm x 44mm x 330mm

Power

- Input: AC 110V - 240V @ 50/60Hz
- Typical Power Consumption: 20 watts

Environment

- Operating Temp: 0°C to 40°C
- Real-time thermal monitoring: supported