



CALYPSO

Broadcast Digital Audio Processor and Stereo Coder

Features

- > All in a 1-Unit 19" Chassis
- > Full Digital Processing
- > Digital Stereo Generator
- > Very Competitively Priced
- > Easy Installation



The Calypso is a digital processor and stereo generator. It is extremely user-friendly, allowing even inexperienced technicians to make sound changes. The Calypso is directly controllable through the front panel settings. Standard is a digital stereo generator MPX.

The MPX (composite) stereo generator inside the Calypso is completely digital, so the MPX signal is obtained through DSP technology. Nicom offers radio stations a top digital technology solution by integrating a digital stereo generator into the audio processor instead of the widely used analog ones. The stereo generator inside the unit increases its performance by directly processing the digital signal and ensuring perfect modulation control, while an external analog stereo generator, inserted in the chain, would adversely affect the original sound signal. The top performance of the stereo generator inside the Calypso makes it one of the best on the market at this time, presenting to radio stations an all digital audio chain and the purity of digital sound.

TECHNICAL SPECIFICATIONS

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|-------------------------------------|---|
| Audio response: | 20Hz – 15KHz DSP Filtered |
| DSP: | 24 bit |
| Pilot tone 19KHz filter: | notch filter > 70dB |
| Preenphasis: | 50uS, 75uS or none |
| Audio input impedance: | 5KOhm Balanced or unbalanced |
| Audio input level: | 0dBm adjustable in 0,5dB steps via LCD |
| Audio input connectors: | XLR |
| Audio THD: | < 0,1% |
| S/N ratio: | > 75 dB |
| Stereo crosstalk: | > 60 dB |
| Pilot tone 19KHz: | DSP generated with 32X oversampling |
| Output impedance: | < 100 Ohm |
| Output Level: | 1Veff to 4Veff |
| Output connector: | BNC - Female |
| Parameters settings via LCD: | Treble, Bass, Left and Right gain, Compression ratio, Compression threshold, Attack, Decay, Integration, Stereo mode. |
| Dimension: | 1HE 19" rackmount deep 6.3" (16 cm) |
| AC power requirement: | 110-240VAC 20VA |