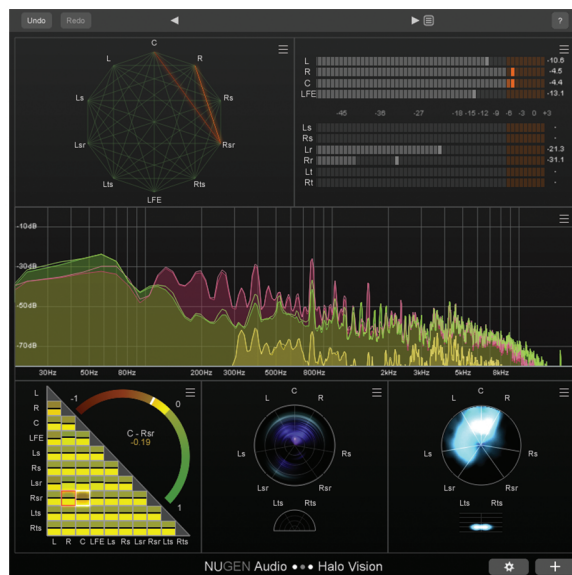# NUGEN Audio

Halo Vision

Comprehensive analysis for 3D and immersive audio

Customizable surround audio analysis

Halo Vision is a customizable, real-time visual analysis suite for surround and immersive audio. A variety of modules provide audio professionals with a clearer understanding of every aspect of their audio, allowing for precise and confident decision making and troubleshooting, and pinpointing problem areas which might be missed using ears alone.

- Supports up to 7.1.2 channels
- AAX, VST3 and AU formats

Correlation Matrix

The Correlation Matrix displays colour-coded phase relationships between every channel, with a larger arched meter for more detailed analysis, and anti-correlation alerts at a user-defined threshold.

Correlation Web

The Correlation Web shows a network of channels with an interconnecting line between each pair. When the phase relationship between two channels becomes anti-correlated, the corresponding line lights up.

Frequency Haze

With low frequencies at the centre and high frequencies on the outer edge, the circular Frequency Haze displays frequency content across the surround field, with channel labels in typical speaker positions.

Location Haze

The Location Haze provides a visualization of the perceived location of your audio, showing energy distribution across the surround field, with brighter sections indicating increased "energy".

Spectrum

In 'Combined' mode, the Spectrum view displays an FFT level-against-frequency graph for all the channels in one spectrum. In 'Groups' mode, channels can be organised into groups of spectrums.

True Peak Meters

This view provides a True Peak dB level meter for each channel.