Manufacturers integrating Dolby® Volume into their hardware products can also include a number of powerful Dolby audio enhancements. These technologies are designed to improve overall audio performance and can be implemented in whatever combination a device manufacturer determines is best for a particular product.

**Audio Optimization**

**Natural Bass** applies clean, powerful bass extension, increasing bass response by up to an octave for more low-end impact and a fuller, deeper sound even from small speakers.

**Speaker EQ** is an end-to-end solution that analyzes individual frequency bands and employs perceptual loudness techniques to achieve optimized speaker performance and a better overall listening experience.

**Virtual Speaker**
Virtual Speaker creates a high-quality surround sound listening experience from two-channel or multichannel source content using only two speakers; it simulates the experience of listening to a discrete multichannel speaker configuration.

**Dialogue Enhancement**
Dialogue Enhancement detects speech and enhances its clarity, making dialogue and other spoken components of content more intelligible to the listener.

**Sound Space Expander**
Sound Space Expander widens the perceived stereo field of closely placed speakers, creating a stable, solid stereo image that wraps around the listener.

**Graphic EQ**
Graphic EQ integrates an audio equalizer of up to seven user-adjustable bands, providing the listener direct, real-time control over audio output.

**High-Frequency Enhancer**
High-Frequency Enhancer restores the crispness and edge to audio content that has been digitally compressed; designed to function with a wide range of audio material compressed with different codecs.

**Mono-to-Stereo Creator**
Mono-to-Stereo Creator derives a convincing stereo effect from mono content to add depth to the playback experience.