Dante AV-H™

Simple, Scalable Networked AV

Dante AV-H is a software solution that brings the power and interoperability of Dante to H.26x SoC-based video endpoints

4K — Up to 4Kp60 4:2:0 video resolution

Uses the popular H.264/AVC and H.265/HEVC video compression

2x2 channels of Dante audio

Lowest bandwidth Dante AV solution

One click audio & video routing

Dante AV-H adds video channel control and 2x2 channels of Dante audio to SoC-based video endpoint designs for instant compatibility with existing Dante installations, easing technical requirements and simplifying AV system designs. As a software-based solution Dante AV-H delivers a rapid time to market and a cost-effective option for manufacturers looking to develop Dante AV products. Dante AV-H can be added to existing networked video product lines without costly hardware redesigns or having to build new products from scratch. From manufacturer design implementation to installed AV system support, Audinate provides experienced engineering, technical support, and professional services.

Dante AV-H™

Applications

Dante AV-H is ideally suited for limited bandwidth environments and applications that incorporate video software including conferencing, lecture capture, streaming and recording.

- AV decoders & encoders
- PTZ Cameras
- Compact Cameras
- Wireless collaboration systems
- SDM interface cards
- Video switchers

Part of the Dante Family

Dante AV-H supports all the features that make Dante the world leader in networked media: auto discovery of devices, label-based one-click routing of signals, and true plug-and-play operation. Enhanced security, user access control, and monitoring across multiple subnets is available with Dante Domain Manager or Dante Director. With thousands of Dante-enabled products available, Dante AV-H provides instant connectivity to the largest interoperable AV-over-IP platform.

More Flexibility

Unlike traditional point-to-point technologies constrained by physical connections, Networked AV offers unparalleled flexibility. AV-over-IP facilitates endless connections without cable distance limitations, allowing device installation optimized for performance and aesthetics.

Additionally, Dante AV uniquely separates video and audio streams, enabling independent routing to various endpoints. This versatility eliminates the need for demuxing equipment streamlining operations and reducing costs.

Standard IP and IT Ready

All Dante-enabled products provide state-of-the-art performance over common IP networks with readily available switches and equipment and use easily understood standards for IT administration.

Specifications

CPU/SoC
32-bit/64-bit ARM or x86 SoC

Software
Linux v.4.19 or later with support for running containers

Flash Storage Space
64 MB

Video Codec
H.264/AVC and H.265/HEVC

Resolution Support
4Kp60 4:2:0

Video Latency
A few frames

Audio
2x2 Dante audio channels

Network
Standard 1 GbE

Dante®