



Kramer KDS-17

Redefining audio-visual streaming excellence

Ultra-high performance, highly scalable JPEG2K-like AVoIP streaming solution

Provide an advanced, complete AVoIP streaming solution for streaming top-quality video and audio in 1GbE (1Gbps) networks using JPEG2K-like compression. KDS-17 is perfectly suited to varied spaces and scenarios that demand high-quality video presentation at up to 4K60 4:4:4 with minimal latency – including, command and control centers, meeting rooms, digital signage, auditoriums, active learning, and anywhere there are large screens or video walls. The KDS-17 product line includes a comprehensive set of encoders, decoders, switchers, and wall plates for switchers and decoders. Fast and easy to deploy, and supporting up to 1000 video sources, KDS-17 is ideal for large-scale deployments. It supports advanced and secured networking methods and allows the mixing of data and AV streaming over the same LAN. KDS-17 delivers the streaming performance required by enterprises, educational institutions, and government sites of any scale, providing a top-tier user experience, easy device connection for users, enterprise-grade security, and advanced, yet user-friendly, management. KDS-17 is part of our leading-edge KDS product family, the most extensive selection of AVoIP streaming solutions in the market today.



Outstanding end-user experience

Present video in superb 4K60 4:4:4 resolution, with best-in-class digital audio. With KDS-17, every visual detail and every nuance of sound comes through super-clearly. Enjoy extensive control of video walls, advanced connectivity options, and a wide choice of inputs/outputs and settings options.

Ultra-high video quality

4K60 4:4:4 video guarantees the transmission of highly detailed images in pristine quality, supporting top-tier displays. Utilizing the JPEG2K-like compression, KDS-17 provides premium-quality video across any size network.

Rich set of inputs/outputs and interfaces

With a broad choice of connectors and interfaces for video, USB and both analog and digital audio, KDS-17 enables you to utilize the room equipment of your choice. All KDS-17 devices are available with Dante and AES67 digital audio interfaces, ensuring high-fidelity sound.

Advanced audio interface

Support for Dante and AES67 digital audio interfaces allows audio peripherals to be connected via the IP network and enables hybrid BYOD and RBM meeting rooms. The KDS-17 has 2x2 audio channels with low latency and high sampling rate and bit depth, making it applicable for a wide range of applications that require high quality audio distribution.

High-performance streaming over USB

With multiple connectivity options, including USB and HDMI, KDS-17 devices support most end-user devices and peripherals. The USB 2.0 extension over IP allows connectivity to cameras, speakers, and microphones wherever they are.

Simplified meeting connectivity via eUSB

Kramer's unique eUSB feature connects non-USB audio devices (such as analog or Dante microphones) to a remote USB host PC. It enables users to quickly and easily connect to room devices, such as HDMI or Ethernet cameras and microphones, simplifying setup for each meeting.

Easy-to-use KM/KVM

Control via keyboard and/or mouse is made easy, with a specially designed widget and seamless roaming among up to 16 screens, with a configurable layout.

Control of large-scale video walls

KDS-17 supports video walls of up to 256 screens in varied layouts that are easily configurable via the dedicated management device. Switching between screens requires only one click, using Kramer's AVoIP Manager application or Kramer Control software.

Ultra-fast switching

Tuned for rapid switching between streams, in 1 second.



Ideal for large-scale deployment

Provide a high-performance solution, fine-tuned to the needs of large Enterprise, Education, and Government sites, with integrated advanced management capabilities and support for many simultaneous video streams.

Highly scalable

Supporting up to 1000 video sources, the KDS-17 is ideal for the largest installations.

Extensive management capabilities

Kramer's AVoIP Manager application provides a wide range of management features, including multi-device grouping, group configuration management, preset virtual matrix stream routes, and role-based access management.

Flexible configuration and management

With open P3K APIs, a front panel LCD screen, and an intuitive, embedded web-based user interface, KDS-17 devices feature an extensive set of tools for deployment and configuration. This enables AV experiences in any space, large or small, and allows local and remote management, for reliable and flexible operations.

Separate Ethernet ports for optimal control and experience

Physical separation between control and AV data over two separate Ethernet ports allows optimized traffic routing for different streams according to priorities, ideal for multicasting applications. It also enables both IT control and an uninterrupted AV experience, without compromise.

Enhanced network stability, with Virtual LANs

Virtual LANs (VLANs) enable a more stable and cleaner AV network. They prevent the overloading of switches by routing specific streams and services to specific ports. They also allow the corporate data network to be used for AV streaming if needed.

Simplified configuration

Kramer's AVoIP Manager makes it easy and fast to configure even thousands of devices, via a simple graphical dashboard. You can filter, select, and group various devices, configure them in batches, and interconnect them with just a few clicks.



Embedded robust security

Maintain the security, accessibility, and confidentiality of your IT network through a robust and highly protected AVoIP solution.

Enterprise IT-grade security

KDS-17 devices meet the toughest IT security standards, including 802.1x and HTTPS/TLS, and user permission levels are fully controlled.

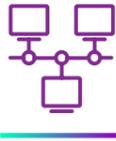
AV stream encryption

When selected, all traffic between devices is secured with AES256 encryption, for the highest level of privacy and anti-hacking protection.

Certified security

Every device is certified with OWASP Top 10 for web application security.





Easy planning and deployment

Easily and confidently integrate the AV solution into any IP network. Create AV-enabled spaces of varying sizes swiftly and effortlessly, even without prior AV expertise. KDS-17 is very bandwidth-efficient, allowing you to leverage your IT infrastructure without perceptible network performance disruptions. Use of the existing IT network and Ethernet cabling, simplified switch configurations, and reduced dependence on skilled technicians save deployment time and cost.

Cost-effective from day one

Utilizing a JPEG2K-like protocol, KDS-17 is very bandwidth efficient, enabling economical dual usage of the existing IGE IT network. Effortless integration with major IP network switches, like the Netgear M4250 series, supports deployment in varied network configurations, eliminating the need for complex IP packet prioritization or switching configurations. With user-friendly management, strong reliability, and adaptable bandwidth control, maintaining KDS-17 over the long term is cost-efficient.

Full product range for any site, any application

The KDS-17 line spans encoders, decoders, and auto-switcher encoders in a choice of desktop, rack, and wall-plate form factors, as well as a dedicated manager device.* This broad product set makes it quick and cost-effective to roll out any AV-enabled space. The different KDS-17 devices in varied form factors can be combined in any way, with any quantity of decoders and, according to the site's needs.

* Coming soon

Seamlessly integrated with Kramer's full Pro AV ecosystem

The KDS-17 product line is an integral component of Kramer's comprehensive AVoIP solution. KDS-17 comes pre-integrated with Kramer Control, streamlining the setup and management of various spaces, with significantly less time and expense compared to standalone options. Additionally, it features eUSB-USB2, enabling AVoIP remote access to USB peripheral devices of any type, including webcams.

Kramer KDS-17 product line

KDS-17 EN



KDS-17 DEC



Learn more:



About Kramer

Kramer audio-visual experiences power creativity, collaboration, and engagement. From AVSM to advanced cloud-based communication, collaboration and control solutions, Kramer creates audio-visual experiences that are more engaging, more inclusive and more connected than ever before. Headquartered in the heart of Startup Nation - Tel Aviv, Israel, with locations around the world, Kramer's audio-visual experts are designing the future of engagement technology. Physical and digital boundaries have blurred. But no matter how hybrid our world becomes, our desire for real, human connection will never cease. Kramer's intuitive, seamless technology breaks down walls, bridges gaps, and makes people feel closer together even when they're far apart.



www.kramerav.com