Kramer KDS-100

Dual engine AVoIP streaming

Open-standard AVoIP streaming solution, with high-quality AV streaming, low latency and low bandwidth

Deliver a complete and versatile AVoIP streaming solution for 1GE (1Gbps) networks that makes the most of the H.264/265 open standard. KDS-100 is ideal for any space or use case requiring real-time, high-quality video presentation up to 4K60 4:2:2, or simplified dual streaming capabilities, such as operations rooms, university auditoriums, command and control centers, and AVoIP distribution deployments. It is extremely bandwidth-efficient, making it perfect for deployment over an existing IT network. KDS-100 supports up to 1000 video sources, enables simple and fast deployment, and easily scales to suit any size network AV installation. Delivering a superior user experience and advanced, yet intuitive management, KDS-100 meets all the streaming needs of enterprise, education, homeland security, military or government sites of any size. KDS-100 is part of Kramer's market-leading KDS family, the broadest range of AVoIP streaming solutions available today.

Unique dual streaming capabilities

Stream video content in two different quality formats (also called primary and secondary streams) using a single encoder device, saving the costs of having a separate one for each format. Real-time dual-format encoding is ideal when content needs to be presented in high quality (primary stream) on a local display as well as sent in standard quality for presentation at a remote site or to a recording device (secondary stream). Typical applications include hybrid or recorded university lectures, and command centers where content from in-room cameras is both presented and recorded. If needed, both streams can be in high quality.

Superior end-user experience

Deliver 4K60 4:2:2 resolution and high-fidelity audio that bring the finest details to the fore, with rich control options.

High-quality video and audio

Support for 4K60 4:2:2 video resolution ensures video is transmitted in high quality, matching the capabilities of displays. KDS-100 delivers crystal-clear audio regardless of the network size.

Both low latency and low bandwidth

Employing advanced video processing and leveraging the H.264/265 open standard, KDS-100 delivers with ultra-low latency and is very bandwidth-efficient, all without compromising image quality. This enables the use of the existing 1GE IT network, even for mission-critical applications that require real-time video in high quality, such as command and control centers.

Supports direct recording

Allows direct, cost-efficient and simple recording of the meeting or transmitted content through third-party network video recorder (NVR) devices, cameras and displays, meeting the requirements of government sites for efficient, always-activated recording.

Fast switching

Optimized for fast switching between streams. Switching typically takes just 1 second or less.

Designed for large-scale installations

Provide an optimized solution for large Education and Enterprise campuses and Defense and Homeland Security facilities, with support for numerous simultaneous video flows and built-in advanced management capabilities.

Highly scalable

The KDS-100 line supports up to 1000 video sources, suited to the largest installations.

Simplified configuration

KDS-100 line is pre-integrated with NETGEAR network switches, enabling fast, simple, and assured integration with the IT network.

User-friendly connectivity

Products automatically announce their presence in the network and are auto-discovered, simplifying connectivity between the decoder and all products. The information is presented as a channel ID, making connectivity very user friendly.

Simple planning and rollout

Integrate the AV solution into any IP network with ease and confidence. Kramer AV-enabled spaces of any size can be built quickly and simply, with no AV know-how required and minimal changes or additions to your existing network.

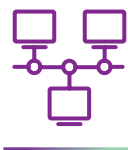### Fully integrated with Kramer's complete Pro AV solutions

The KDS family is part of Kramer's market-leading full AVoIP-based solution. KDS-100 is pre-integrated with Kramer Control, allowing efficient deployment and control of any space, at a fraction of the time and cost of standalone alternatives.

Minimal infrastructure changes

Because KDS-100 is so bandwidth-efficient, the IT infrastructure can be used for AV streaming without a noticeable impact on network performance. Use of the existing IT network and Ethernet wiring, simple configuration of switches, and reduced need for skilled technicians together speed-up deployments and reduce costs. Large-scale high-fidelity audio can be distributed over the IP infrastructure.

Simplified installation, with dual streaming

The unique dual streaming capabilities of KDS-100 enable real-time streaming of video in two different quality formats, using a single encoder box, reducing equipment and cabling costs, simplifying installations, and saving space.

Resilient security, built-in

Preserve the integrity, availability, and confidentiality of the IT network with a highly secured and resilient AVoIP solution.

Enterprise IT-grade security

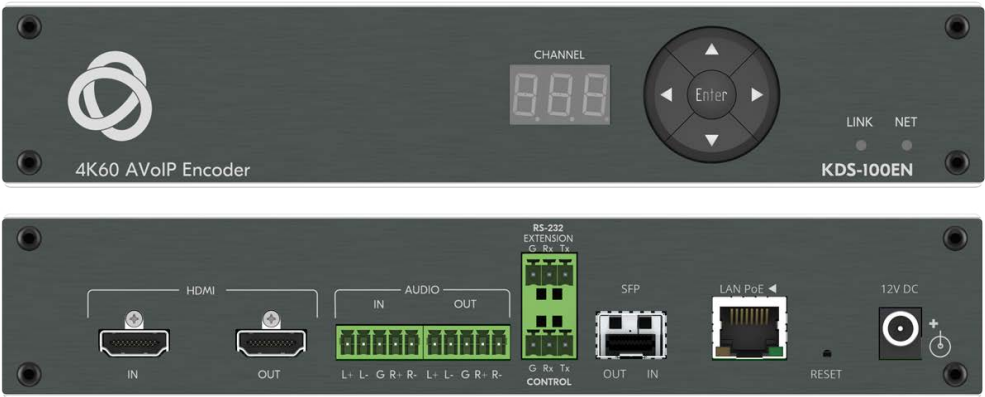KDS-100 devices comply with IT security requirements, including 802.1x and HTTP-S/TLS.

Security certification

All devices carry OWASP Top 10 certification for web application security.
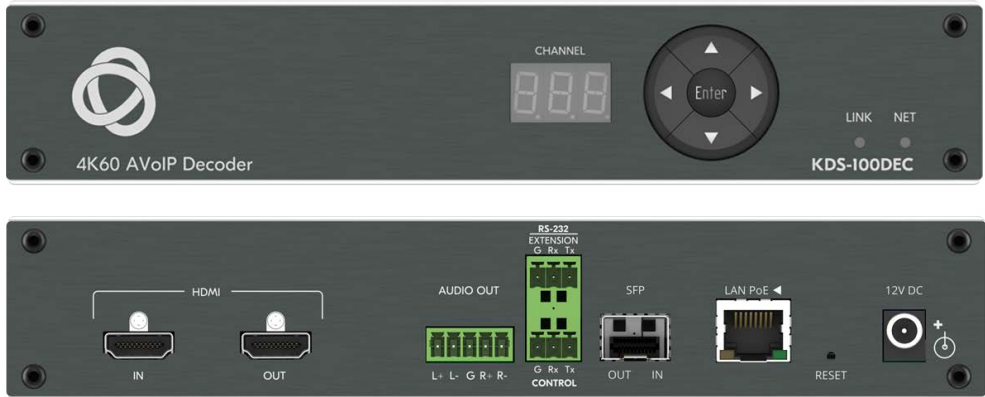
Kramer KDS-100 product line

KDS-100 EN

KDS-100 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.

kramer

www.kramerav.com