Kramer KDS-100

Open-standard AVoIP streaming solution

Open-standard AVoIP streaming solution for high performance and low network load

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 low-latency, high-quality video presentation up to 4K60, such as operations rooms, university auditoriums, highly secure command and control centers, and AVoIP distribution deployments. The KDS-100 line comprises a full range of encoders, decoders, AVoIP-enabled switchers, and positioning tools for 1GE networks. 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. Providing a superior user experience, enterprise IT-grade security, 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.

Superior end-user experience

Deliver 4K60 resolution and high-fidelity audio that bring the finest details to the fore, along with rich control of video wall options.

Highest-quality video and audio

Support for 4K60 video ensures finely detailed images are transmitted in full quality, matching the high-end capabilities of displays. Using the AES67 protocol, KDS-100 delivers crystal-clear audio regardless of the network size.

Supports direct recording

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

Video streaming over USB

With multiple connectivity options, including USB and HDMI, KDS-100 devices support most end-user devices, including USB cameras.

Easy-to-use KM/KVM

Easy control via keyboard and/or mouse, with a specially designed widget and roaming among up to 16 screens, with configurable layout.

Video wall control

Supports more than 16 screens in varied layouts that are easily configurable via the dedicated management device. Switching between screens requires only one click, using the management device or Kramer Control software.

Instant switching

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

Robust solution 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.

Advanced, dedicated management device

The state-of-the-art management device offers extensive management capabilities, including multi-device grouping, preset virtual matrix stream routes, group configuration management, and role-based access management.

Flexible configuration and management

With open P3K APIs, an embedded web-based user interface, and AVoIP manager, KDS-100 devices feature an extensive set of tools for deployment and configuration. This enables AV experiences in any space, large or small, and allows management from anywhere, for reliable and flexible operations.

Simplified configuration

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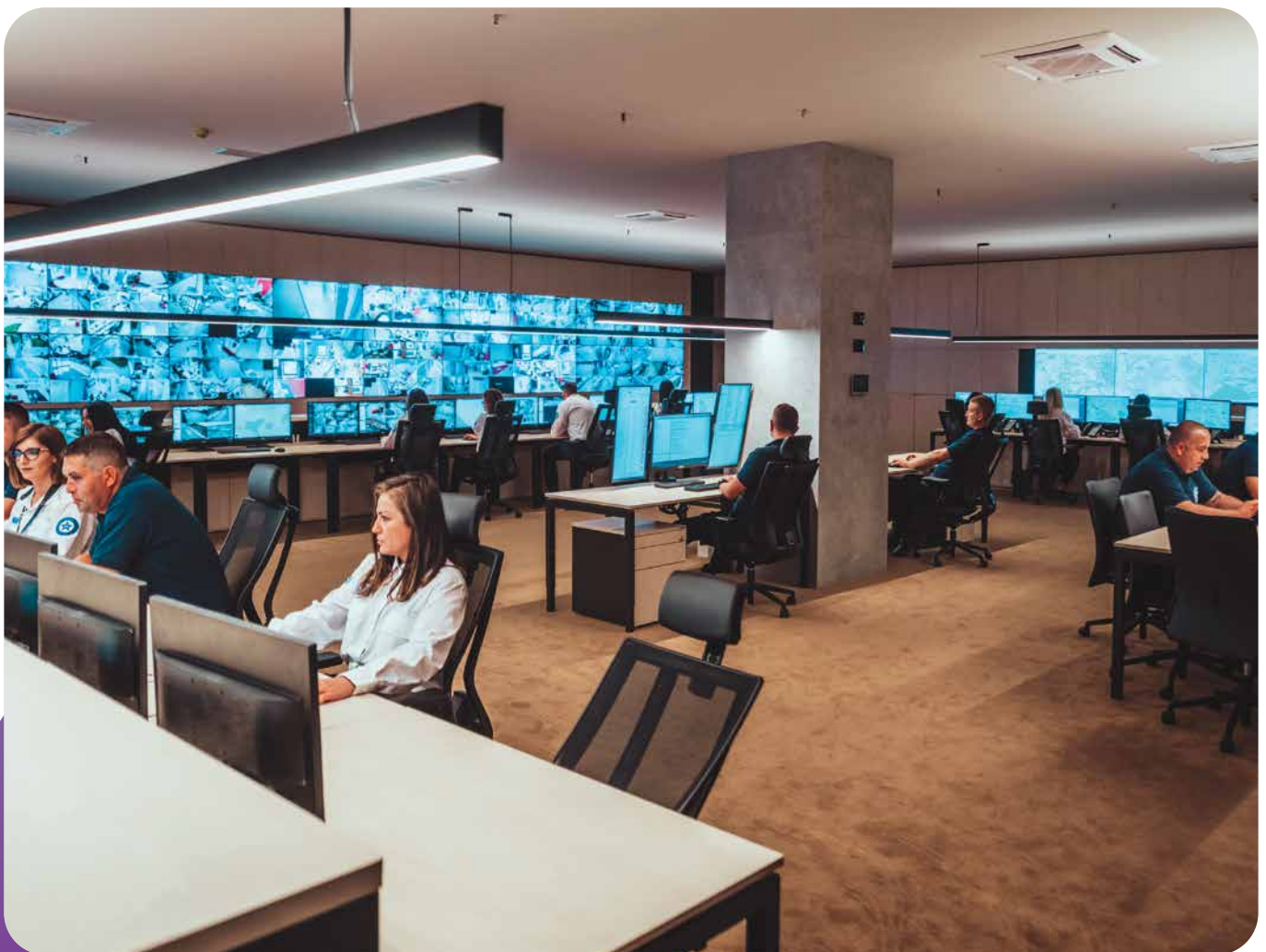
Resilient security, built-in

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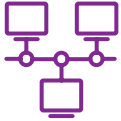
Enterprise IT-grade security

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

Security certification

All devices carry OWASP Top 10 certification for web application security.

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. KDS-100 is extremely bandwidth-efficient, enabling the use of IT infrastructure 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 using the AES67 protocol.

Cost-effective from day one

Leveraging the H.264/265 standard, KDS-100 is very bandwidth-efficient. This enables cost-efficient hybrid use of the existing 1GE IT network. Plug-and-play integration with leading IP network switches, such as the Netgear M4250 series, enables deployment in a wide variety of network topologies. There is no need to deal with complex IP packets prioritization or switching settings. Offering easy management, high reliability, and adjustable bandwidth control, KDS-100 is extremely cost-effective to maintain over the long term.

Full product range for any site, any application

The KDS-100 line includes encoders, decoders, and a dedicated AVoIP manager. Encoder and decoders can be installed into a 19" racks. This broad product set makes it quick and cost-effective to roll out any AV-enabled space. The different KDS-100 devices in varied form factors can be combined in any way, with any quantity of decoders, according to the site needs.

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. With KDS-USB2, it allows AVoIP remote access to any USB peripheral devices, such as webcams.

Kramer KDS-100 product line

KDS-100 DEC

KDS-100 DEC-U

KDS-100 EN

KDS-100 EN-U

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.

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