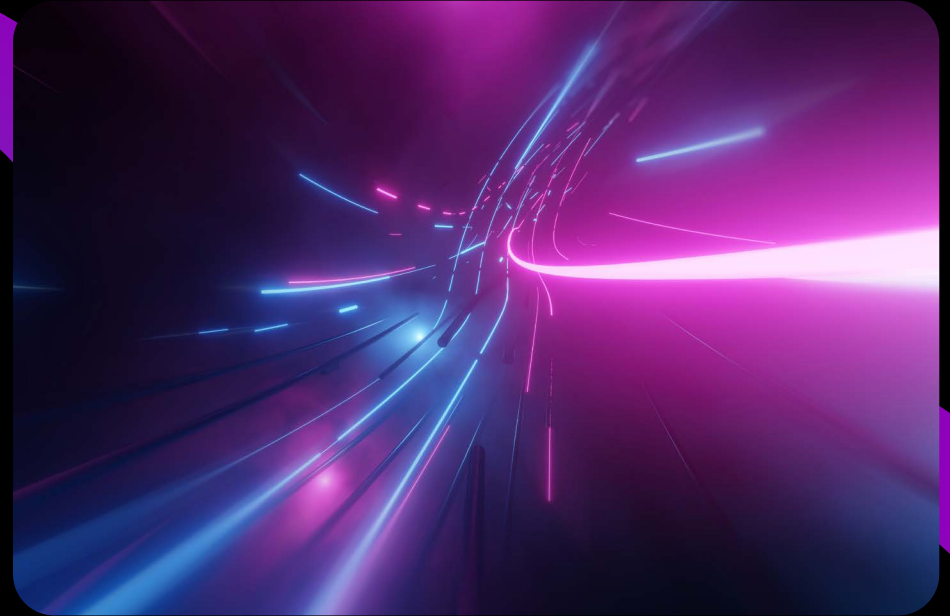## About Kramer

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 the 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.
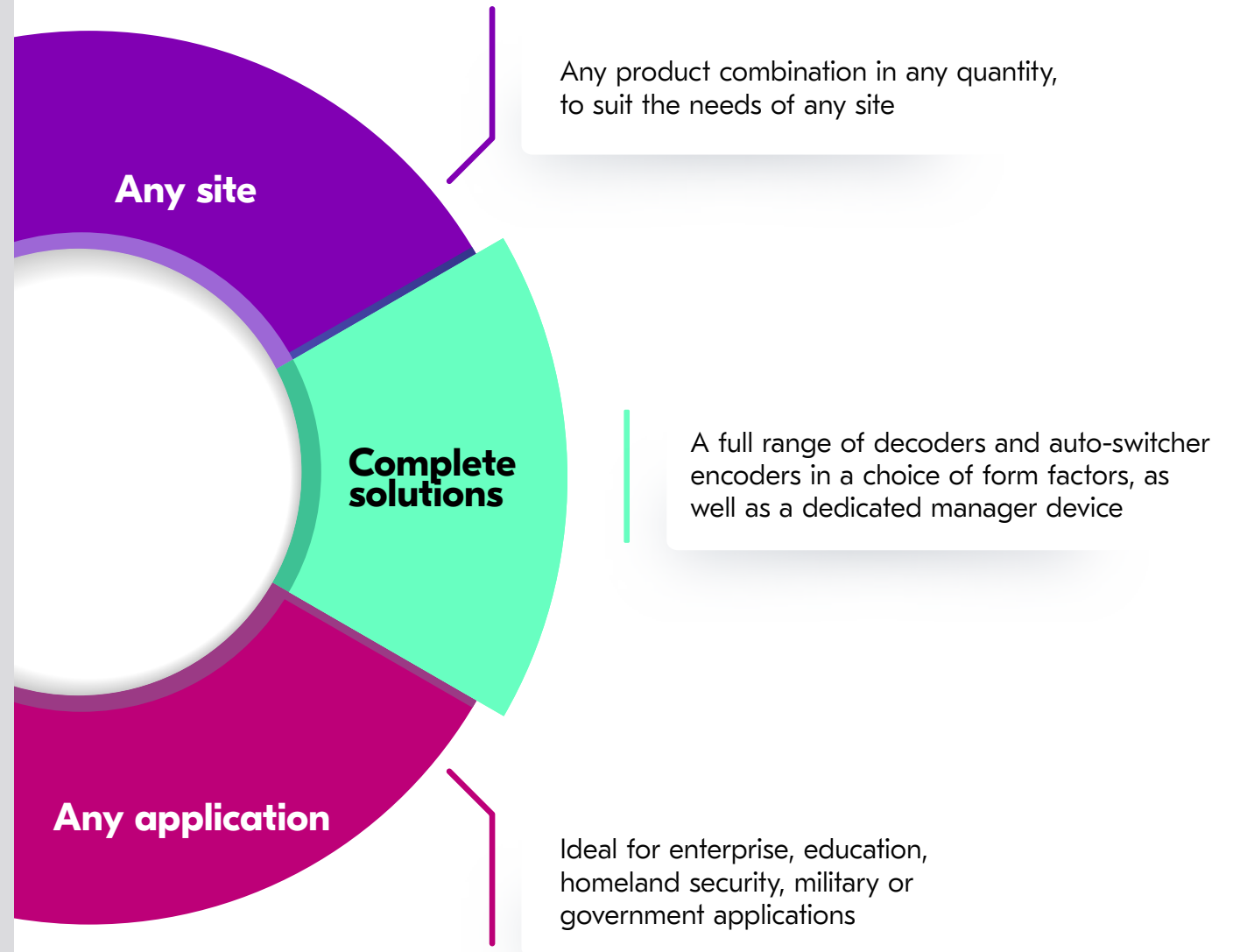
www.kramerav.com

kramer

Kramer's AVoIP extended portfolio

The perfect fit for your 1GB AVoIP streaming needs

Why Kramer's AVoIP?

Any site

Any product combination in any quantity, to suit the needs of any site

Complete solutions

A full range of decoders and auto-switcher encoders in a choice of form factors, as well as a dedicated manager device

Any application

Ideal for enterprise, education, homeland security, military or government applications

Discover unmatched AVoIP streaming solutions

Get a perfect-fit, high-performing and highly scalable solution for your AV over IP streaming needs.

Optimized end-user experience

Deliver 4K resolution, with the convenience of USB-C for simple connectivity, simultaneous charging, and rich control of video wall options.

Scalable streaming solutions

Address the streaming needs of any size facility, with support for numerous simultaneous video flows and built-in, advanced management capabilities.

Robust security

Preserve IT network integrity, availability, and confidentiality with highly secured and resilient AVoIP streaming solutions.

Simple planning and rollout

Integrate the AVoIP solution into any IP network with ease; no AV know-how is required. With the KDS family – Kramer's AVoIP streaming solutions – AV-enabled spaces of any size can be built quickly and simply.

Kramer's KDS family – a broad portfolio of AVoIP streaming solutions

KDS-100

KDS-17

KDS-7

Kramer's KDS family is a market-leading solution in AVoIP streaming, offering a diverse range of products tailored to meet the highest industry standards. Each product in the KDS family is meticulously designed to cater to specific needs, ensuring optimal performance across various applications, use-cases, and infrastructural requirements.

The ability to transmit audio, visual, and data signals over standard IP networks has revolutionized the way we connect and communicate, making the technology more accessible, flexible, and efficient.

No longer confined by the limitations of traditional AV, you can now have the power to send signals to any point reachable by the network, breaking down barriers and unlocking new possibilities.

With Kramer's innovative solutions at the forefront, the path forward is not only full of potential but also guided by expertise and a commitment to excellence.

As you explore the KDS line, you are invited to select the product that best aligns with your unique AVoIP streaming requirements. The cutting-edge technology embedded in each item guarantees efficiency, reliability, and top-tier streaming quality, making Kramer's KDS products the go-to choice for professionals seeking excellence in AVoIP solutions.

Compare our AVoIP solutions

	KDS-100 Dual engine AVoIP streaming	KDS-17 Redefining AVoIP streaming excellence	KDS-7 AVoIP streaming that delivers more on every level
Network infrastructure	1GE (1 Gbps)	1GE (1 Gbps)	1GE (1 Gbps)
Video compression technology	H.224/265	JPEG2K-like	JPEG2K-like
Video quality	4K60 4:2:2	4K60 4:4:4	4K30 4:4:4
Latency	Low latency and low bandwidth	Ultra-low latency	Low latency
Scalability of (video sources)	Up to several thousand	Up to several hundred	Up to several hundred
Security	Enterprise IT-grade	• Enterprise IT-grade • AV streaming encryption	• Enterprise IT-grade • AV streaming encryption
Digital audio streaming		Built-in Dante, AES67	Built-in Dante, AES67 on the switcher
Video wall support	Up to 8x8 (64 screens, varied configurations)	Up to 16x16 (256 screens, varied configurations)	Up to 16x16 (256 screens, varied configurations)
Other top features	• Standard CODEC - Connection to third-party devices • Simultaneous 4K and FHD streams	• Fast switching • Unique eUSB connectivity • USB 2.0 extension • KM/KVM Support • Full product range for any site, any application	• USB HID extension • KM/KVM support • Full product range for any site, any application
Main use cases	Government	Command & control centers	Command & control centers	Command & control centers
	Enterprise	Digital signage	• Meeting rooms • Digital signage	
	Education	• Auditoriums • Active learning		

KDS-100

Dual engine AVoIP streaming

4K60 4:2:2 | H.264/H.265 open standard |
Dual streaming abilities | Low latency | Low bandwidth

KDS-100 is ideal for any space or use case requiring real-time, high-quality video presentation 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.

Unique dual streaming capabilities

Stream video content in two different quality formats using a single encoder device, saving the costs of having a separate one for each format.

Learn more:

KDS-17

Redefining AVoIP streaming excellence

4K60 4:4:4 | JPEG 2K | Ultra-low latency |
Dante and AES67 | USB | Fast switching

KDS-17 is perfectly suited to varied spaces and scenarios that demand high-quality video presentation 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 a top-tier user experience, easy device connection for users, enterprise-grade security, and advanced, yet user-friendly, management.

* Coming soon

Learn more:

KDS-7

AVoIP streaming that delivers more on every level

4K30 4:4:4 | JPEG 2K | Low latency | USB |
Rich management capabilities

The KDS-7 line comprises a full range of encoders and decoders, supports up to 999 video sources, enables simple and fast deployment, and easily scales to suit any size network AV installation.

Delivering a superb user experience, enterprise IT-grade security and advanced, yet intuitive management, KDS-7 is a perfect fit for enterprise, education, homeland security, military, or government sites of any size.

Learn more:

Making an impact

The IKH Areena, home to Finland's Karhubasket basketball team, has enhanced game excitement and audience engagement thanks to Kramer's AVoIP solutions, now offering, easy, specialist-free operation, and adaptable, high-quality experiences.

Kramer's AVoIP setup is really easy to use, which was one of the main points, as we didn´t want to have a specialist in the arena all the time.

Ville Nurminen,
Technical Manager and AV Operator for Karhubasket

Read the full story:

www.kramerav.com/content-hub/case-studies/karhubasket-basketball-arena