Kramer Audio-Visual Signal Management

Series 3

Comprehensive portfolio of fully interoperable,
advanced audio-visual distribution products

Kramer Audio-Visual Signal Management Series 3

Experience unprecedented simplicity, flexibility, and scalability in integrating complete, high-performance AV solutions for any space, any application. Launching Kramer's new series-based approach, Series 3 is a comprehensive portfolio of advanced audio-visual distribution products supporting end-to-end 4K60 video. It includes matrices, switchers, extenders, distribution amplifiers, and multiviewers that are all fully interoperable, controlled and managed together. Series 3 provides a singular experience across all products interconnecting video, audio, and Ethernet signals, as well as USB, from origin to destination. It offers versatile deployment options, simplified configuration, and unified and secured management. Comprising Kramer's most advanced product lines, Series 3 delivers end-to-end audio-visual distribution with a premium connectivity experience.

High-performance AV, end to end

Deliver a premium audio-visual experience, with the highest-quality uncompressed 4K60 4:4:4 video, switching at faster than 1 second, single-cable comprehensive extension, and advanced USB-C connectivity. The Series 3 portfolio supports the most advanced collaboration devices and demanding use cases, providing a complete solution for high-performance AV signal processing wherever it's needed.

Highest 4K60 resolution

With embedded support for distribution of uncompressed 4K60 4:4:4 video and HDR, Series 3 products deliver the sharpest, most detailed images, with outstanding vivid color and high contrast, even on large video walls. Series 3 supports 10 Gbps connectivity to local USB devices, providing end users with a premium video and audio experience during hybrid sessions.

Fast switching

Advancing on earlier products, Series 3 products provide fast switching (<1sec), supporting the most-demanding mission-critical applications. Selected products support seamless switching.

Comprehensive extension with a single cable

High-performance extension via a single cable simplifies installation of remote units. Just one CAT6A cable can handle extension of uncompressed 4K60 4:4:4 video, USB connectivity for cameras and other devices, high-speed 1Gbps Ethernet, remote device powering, and remote management and control of devices such as displays, microphones, and cameras.

4K-grade image quality from remote devices

Series 3 products enable sharper images at 4K-grade quality over longer distances, supporting the latest advances in collaboration devices. Connection over HDBaseT triples the USB video delivery speed from remote USB devices.

Advanced, universal connectivity with USB-C

USB-C ports are built into Series 3 products, enabling end-users to plug in a single cable for charging, high-quality video and audio, internet connectivity, and connectivity to collaboration devices. USB-C connectivity reduces the number of cables and electricity points needed in a space, simplifying installations and reducing costs. An advanced, built-in USB-C dock connects all AV, USB and LAN signals, enabling automated simultaneous switching of audio, video and USB signals.

A singular experience across all audio-visual distribution product lines

Integrate AV solutions with total ease and peace of mind. Kramer's new series-based approach to audio-visual distribution makes it simpler than ever to design, configure and securely manage complete AV solutions. In line with this approach, Series 3 brings together multiple audio-visual distribution product lines, providing the building blocks for any deployment scenario.

Full interoperability

Series 3 product lines are fully interoperable, enabling simple and assured solution integration as well as flexible and scalable deployment. Users enjoy a uniform experience across all products connecting varied video, audio, USB devices and Ethernet signals.

Secured, unified management

All Series 3 products are managed and configured using tools that have the same look and feel and use the same methodology. All connections to the devices are secured and can be managed by authenticated users. Series 3 devices support major industry and IT security standards, including 802.1x, HTTPS and OWASP.

Versatile deployment

The wide range of Series 3 products offers excellent flexibility to build the right solution for any space, no matter how small or large. From huddle rooms to the largest auditoriums, Series 3 products efficiently interconnect video, audio and USB devices and Ethernet signals for the optimal audio-visual experience.

Series 3 Extenders

HDBT Extenders

	EXT3-XR-TR	EXT3-TR	EXT3-C-XR-T	EXT3-POE-XR-R	EXT-C-WP-XR-T	EXT3-21-XR-TR
DESCRIPTION	4K60 HDMI/USB Extender	4K60 HDMI/USB Extender	4k60 USB-C Transmitter	4K60 HDMI/USB Receiver	4K60 USB-C Transmitter	2x1 4K60 HDMI/USB Switcher Extender
EXTENDER TX/RX END-POINT	Y	Y	Tx	Rx	Tx	Y
100M REACH	Y	40m	Y	Y	Y	Y
USB-C DOCKING	-	-	Y	-	Y	-
RX SWITCHER	-	-	-	-	-	2x1
AUDIO EXTRACTION	-	-	-	-	-	Y
IP CONTROLLABLE	-	-	-	-	-	Y
SECURITY	-	-	-	-	-	IT-LAN
IP MANAGED	-	-	-	-	-	Partial
REMOTE POWERING	-	-	<	<>	<	<> + LAN<
HOUSING	Box	Box	Box	Box	Wall-plate	Box

Series 3 Modular Matrices

	MTX3-16-M	MTX3-34-M
DESCRIPTIONV	16x16 8K Modular Matrix	34x34 8K Modular Matrix
CAPACITY	16x16	34x34
MAX PORT RESOLUTION	8K30 4:4:4	8K30 4:4:4
PORT DATA RATE (GBPS)	50	50
CARD SLOTS | IN | OUT PORTS	8 I/O | 2 + 2	17 I/O | 2 + 2
ANY I/O MIX [UNIVERSAL CARD SLOT]	Y	Y
I/O CARDS	HDMI, HDBT, Fiber, 12G SDI, VGA	HDMI, HDBT, Fiber, VGA, SDI
EXTENSION LINKS | POE-PROVIDER	HDBT 3.0 | Y	HDBT 3.0 | Y
OUTPUT SCALING | SWITCHING TIME	Y | Fast	Y | Fast
BUILT-IN CONTROLLER	-	-
SECURITY	Y	Y
POWER REDUNDANCY	-	Optional
CHASSIS 19" HEIGHT	3U	4U

Extenders

	EXT3-U-KIT	EXT3-UE-R	EXT3-U-R
DESCRIPTION	USB 2.0, RS-232 & Audio Extender Kit	Managed USB 2.0 Ethernet and Audio Receiver	USB 2.0, RS-232 & Audio Receiver
TO BE FILLED	-	-	-
TO BE FILLED	-	-	-
TO BE FILLED	-	-	-
TO BE FILLED	-	-	-
TO BE FILLED	-	-	-
TO BE FILLED	-	-	-
TO BE FILLED	-	-	-

Series 3 Switchers

	SWT3-2I-H	**SWT3-3I-HU**	**SWT3-4I-H**	**SWT3-4I-U-T**
DESCRIPTION	2X1 4K60 HDMI Switcher	3x1 4K60 USB-C/ HDMI Switcher	4x1 USB Switcher	4x1 USB Switcher Transmitter
COUPLED AV + USB SWITCHING CAPACITY	TO BE FILLED	3x1	TO BE FILLED	TO BE FILLED
FAST SWITCHING	TO BE FILLED	-	TO BE FILLED	TO BE FILLED
OUTPUTS: REMOTE INDEPENDENT | MIRROR	TO BE FILLED	- (HDMI) | 1	TO BE FILLED	TO BE FILLED
DUAL-SCREENS EXTENSION ON 1 CAT	TO BE FILLED	-	TO BE FILLED	TO BE FILLED
INTER-DEVICE MEDIATION	TO BE FILLED	-	TO BE FILLED	TO BE FILLED
USB-C DOCKING PORTS	TO BE FILLED	1	TO BE FILLED	TO BE FILLED
AUDIO MIC | DANTE + PA	TO BE FILLED	- | -	TO BE FILLED	TO BE FILLED
AUDIO DSP + MIXER	TO BE FILLED	-	TO BE FILLED	TO BE FILLED
IP CONTROLLABLE | MANAGED	TO BE FILLED	Y | Partial	TO BE FILLED	TO BE FILLED
SECURITY	TO BE FILLED	IT-LAN	TO BE FILLED	TO BE FILLED
HOUSING	TO BE FILLED	LAN<	TO BE FILLED	TO BE FILLED
HOUSING	TO BE FILLED	Box	TO BE FILLED	TO BE FILLED

Series 3 Matrices

	MTX3-88-SE
DESCRIPTION	8x8 Seamless Multi-viewer Matrix

Series 3 Cards
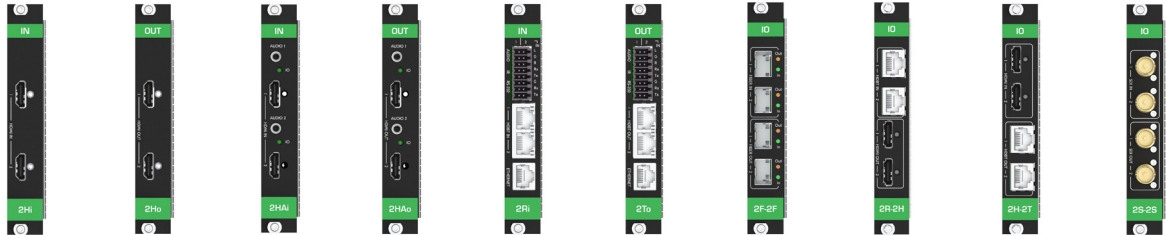
	MC3-2Hi	**MC3-2Ho**	**MC3-2HAi**	**MC3-2HAo**	**MC3-2Ri**	**MC3-2To**	**MC3-2F-2F**	**MC3-2R-2H**	**MC3-2H-2T**	**MC3-2S-2S**
PORTS	2	2	2	2	2	2	4	4	4	4
FAST SWITCHING	-	-	-	-	-	-	-	Y	Y	Y
4K60 4:4:4 RESOLUTION	Y	Y	Y	Y	Comp.	Comp.	Comp.	Y	Y	12G
INPUT PORTS	HDMI	-	HDMI	-	HDBT	-	Fiber	HDBT	HDMI	SDI
OUTPUT PORTS	-	HDMI	-	HDMI	-	HDBT	Fiber	HDMI	HDBT	SDI
1GBPS ETH EXTENSION	-	-	-	-	100M	100M	-	Y	Y	-
AUDIO INSERTION	-	-	Y	-	Y	-	-	-	-	-
AUDIO EXTRACTION	-	-	-	Y	-	Y	-	-	-	-
REMOTE POWERING	-	-	-	-	>	>	-	>	>	-

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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