Kramer's award winning scalers offer the ultimate in image manipulation and processing. Our scalers use the latest in digital signal processing technology to provide the highest quality image possible, and flawless switching, combined with Kramer's renowned reliability.

Our extensive line of scalers, developed with the Kramer dedication to innovation and quality provide a multitude of features for you to choose from:

❚ **Highest Quality Scaling –** Kramer's PixPerfect™ precision pixel mapping and high quality scaling technology supports resolutions up to 4K60 4:4:4 and fully complies with HDCP 2.2 and HDMI™ 2.0 standards

❚ **Glitch-Free Switching –** From Fade-Thru-Black (FTB™) to immediate, seamless input channel switching, you define the application – we'll provide the technology
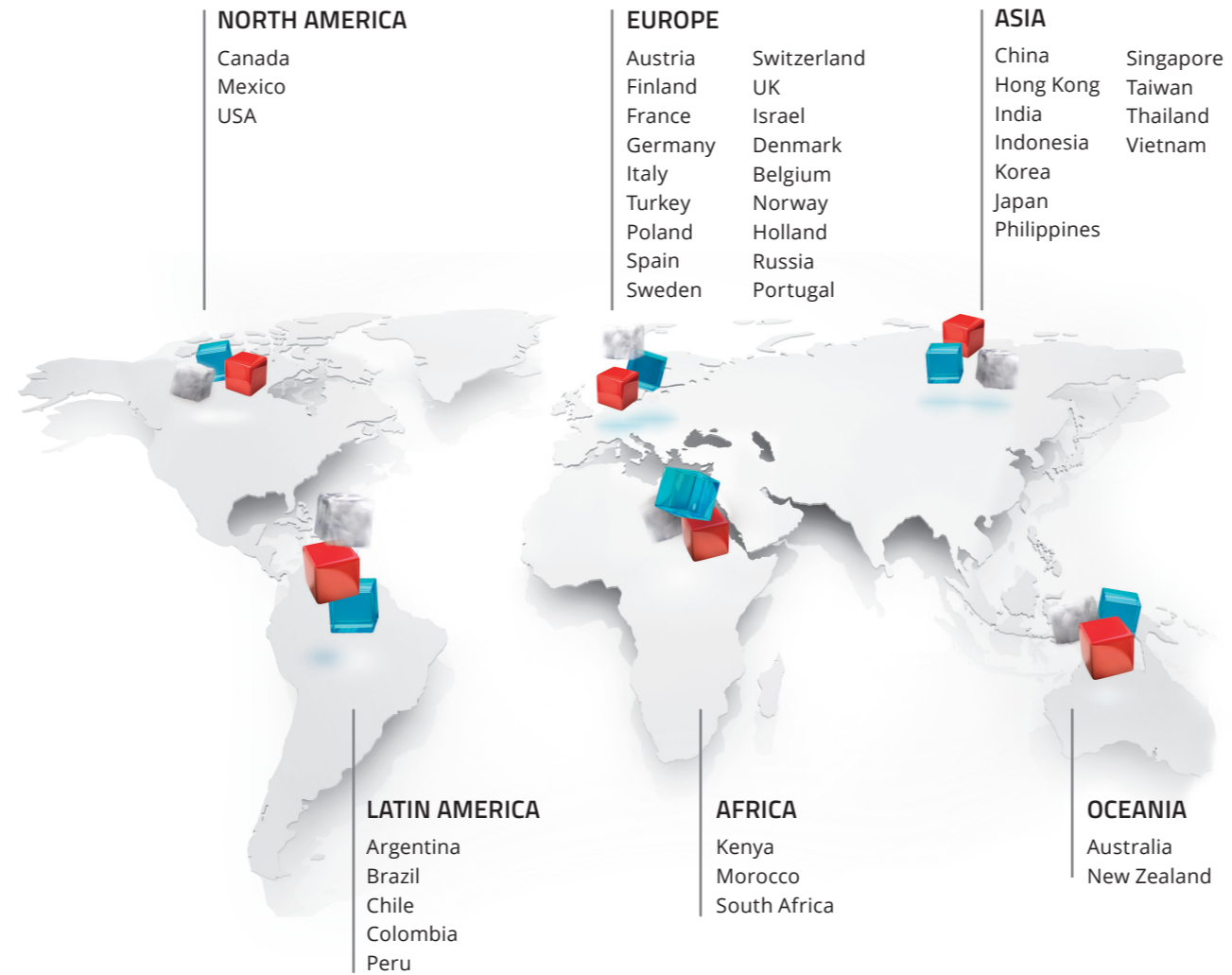
❚ **Powerful Audio –** Via DSP technology, including audio equalization, mixing, delay and more

❚ **Multiple Control Options –** RS–232 serial commands transmitted by touch screen system, PC, or other serial controller; Infrared remote control transmitter; Ethernet using built-in Web pages

Identify, Compare, and Choose Your Next Scaler

AV BEYOND THE BOX

NORTH AMERICA
Canada
Mexico
USA

EUROPE
Austria   Switzerland
Finland   UK
France   Israel
Germany   Denmark
Italy   Belgium
Turkey   Norway
Poland   Holland
Spain   Russia
Sweden   Portugal

ASIA
China   Singapore
Hong Kong   Taiwan
India   Thailand
Indonesia   Vietnam
Korea
Japan
Philippines

LATIN AMERICA
Argentina
Brazil
Chile
Colombia
Peru

AFRICA
Kenya
Morocco
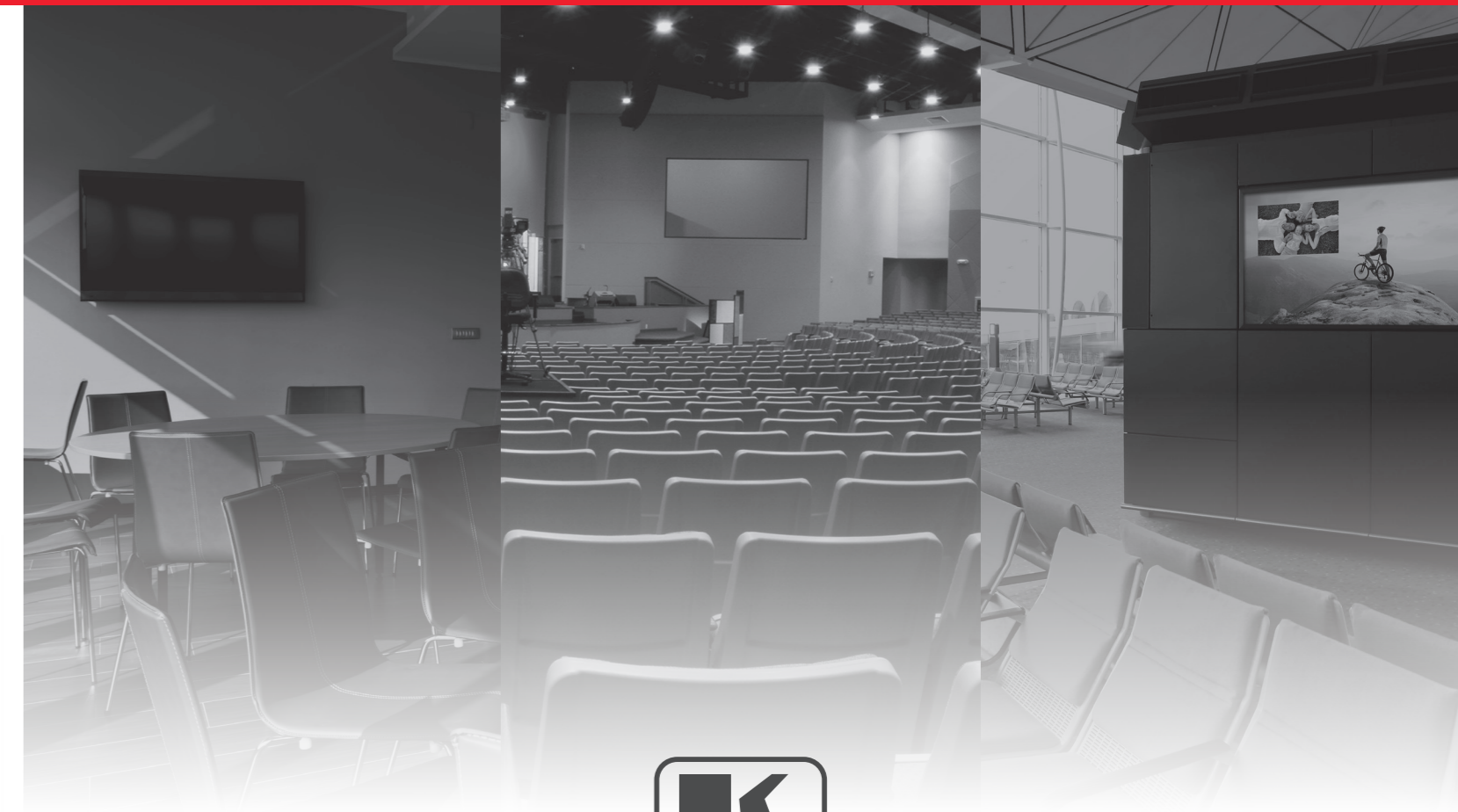South Africa

OCEANIA
Australia
New Zealand

In 1981, Kramer was founded with passion and resolve to innovate in the video era. Since then, we have consistently grown and evolved with an industry that has raced forward at lightning speed. Today, along with our partners and distributors, we passionately serve Pro AV customers on six continents with innovative solutions powered by cutting-edge cloud technologies, advanced software applications and industry-leading hardware.

www.KramerAV.com

Choose the Scaler You Need

Kramer has a scaling or switching product for every application, including homes, boardrooms, hotels, churches, lecture halls and training rooms, as well as more complex installations. Kramer scalers effortlessly switch and scale video devices, players, satellite decoders, document cameras, computers, and videoconferencing systems to the native resolution of the display device.

Selected Scalers

PRODUCTS	VP-417	VP-424C	VP-425	VP-426C	VP-426H2	VP-427A	VP-427H2	VP-428H2	VP-429H2	VP-439	VP-440	VP-440H2	VP-444	VP-445	VP-506	VP-551X	VP-553XL	VP-558	VP-732	VP-733	VP-734	VP-770	VP-771	VP-772	VP-778	VP-773A	VP-774A	VP-790	VP-794	VP-796/A	VSM-4X4HFS/A
Size	MegaTOOLS	MegaTOOLS	MegaTOOLS	MegaTOOLS	MegaTOOLS	MegaTOOLS	MegaTOOLS	MegaTOOLS	MegaTOOLS	½ 19" 1U	½ 19" 1U	MegaTOOLS	19" 1U	19" 1U	TOOLS		19" 2U	19" 2U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U	19" 1U
VIDEO INPUTS	CV Y/C	HDMI USB-C	VGA/YPbPr	HDMI VGA USB-C	HDMI VGA	HDBaseT	HDBaseT	1x HDMI 1x DP 1x VGA	2x HDMI 1x DP 1x VGA	HDMI VGA CV	4xHDMI 2xVGA	3x HDMI 1x HDBT 1x VGA	10xHDMI 2xVGA	6xHDMI 4xVGA 2xCV	DVI-I	8xHDMI 1xVGA 1xCV	3xHDMI 3xHDBaseT 2xVGA 2xTP 2xCV	6xHDMI 4xHDBaseT 1xVGA	4xHDMI 2xDP 4xUniv	4xHDMI 2xDP 2xHDBaseT 4xUniv	4xHDMI 1xDP 2xUniv	2xHDMI 2xVGA 1xYPbPr 2xCV 1xDP	2xHDMI 2xVGA 1xYPbPr 2xCV 1xDP 1x3G HD-SDI	8xDVI-U	4xHDMI 2xDVI-U 2xHDBaseT	4xHDMI 2xVGA 1xCV 1xDP 1x3G HD-SDI	4xHDMI 2xVGA 1xCV 1xDP 2xHDBaseT	2xCV 1xY/C 1xYPbPr 1xVGA 1xDVI 1xHDMI 1x3G HD-SDI	2xCV 1xY/C 1xYPbPr 1xVGA 1xDVI 1xHDMI 1x3G HD-SDI	1xCV 1xRGB/YPbPr 1xVGA 3xHDMI 1xDVI-U 1xDP 1xHDBaseT	4xHDMI
VIDEO OUTPUTS	DVI VGA	HDMI USB-C	HDMI	HDMI	HDMI VGA	HDMI	HDMI	1x HDBT	HDMI	HDMI/DVI	HDMI HDBaseT	1x HDMI, 1x HDBT	2xHDMI	2xHDMI	CV	HDMI HDBT	2xHDMI 1xHDBaseT	4xHDMI 4xHDBaseT	2xHDMI 1xDP 1xVGA	2xHDMI 1xDP 1xHDBaseT 1xVGA	HDMI VGA	HDMI VGA DGKat	HDMI VGA DGKat 3G HD-SDI	2xDVI-I	2xHDMI 2xHDBaseT	2xHDMI 1xHDBaseT	1xHDBaseT 1x3G HD-SDI	1xDVI/HDMI 1xVGA 1x3G HD-SDI	DVI/HDMI VGA 3G HD-SDI	DVI/HDMI HDMI HDBaseT	4xHDMI
GENLOCK INPUT																															
INDEPENDENTLY SCALED OUTPUTS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2	2	1	1	1	2	2	1	1	1	1	1	4
INPUT AUTO-SCAN / AUTO-SWITCH		•		•	•			•	•	•	•	•	•	•		•			•	•	•					•	•				
MAX. SWITCHING TRANSITION (SEC)	0.5	4		4	3			4	2.5	3	3	4	3	3		3			3	3	3	3	3	0 (CUT)	0 (CUT)	3	3	4	4	0.9	0 (CUT)
TRANSITION EFFECTS																										•					
AUTO-SYNC OFF	•	•	•			•				•	•	•	•	•		•								•							CUT
MAX INPUT RESOLUTION	CV	4K60 4:4:4	1080p/WUXGA	1080p/WUXGA	4K60 4:4:4	1080p/WUXGA	4K60 4:4:4	4K60 4:4:4	4K60 4:4:4	1080p/WUXGA	1080p/WUXGA	4K60 4:4:4	1080p/WUXGA	1080p/WUXGA	1080p/WUXGA	4K60 4:4:4	1080p/WUXGA	1080p/WUXGA	2K	2K	2K	2K	2K	1080p/WUXGA	1080p/WUXGA	2K	2K	2K	2K	4K60 4:2:0	1080p/WUXGA
MAX OUTPUT RESOLUTION	1080p/WUXGA	4K60 4:4:4	1080p/WUXGA	1080p/WUXGA	4K60 4:4:4	1080p/WUXGA	4K60 4:4:4	4K60 4:4:4	4K60 4:4:4	1080p/WUXGA	1080p/WUXGA	4K60 4:4:4	1080p/WUXGA	1080p/WUXGA	CV	4K60 4:4:4	1080p/WUXGA	1080p/WUXGA	4K30 UHD	4K30 UHD	4K30 UHD	2K	2K	4K30 UHD	4K30 UHD	2K	2K	1080p/ WUXGA	1080p/ WUXGA	4K60 4:2:0	1080p/ WUXGA
USER-DEFINED RESOLUTIONS																•															
HDMI 2.0 / HDCP 2.2		•			•		•	•	•			•				•															
ZOOM															•							•	•	•	•	•	•	•	•	•	
PIP																						•	•	•	•	•	•	•	•	•	•
LUMA & CHROMA KEYING																								Luma	Luma	•		Luma	Luma		
QUAD / VIDEOWALL OPTION																															•
LOGO INSERT																						•	•	•							
TEXT OVERLAY APPLICATION																						•	•	•							
PROJECTOR ANYWHERE																												•	•		
EDGE-BLENDING																												•	•		
BUILT-IN TEST PATTERNS																		•				•	•	•	•	•	•	•	•	•	
ANALOG AUDIO OUTPUTS				•	•	•		•	•	•	•	•	•	•		•			•	•	•	•	•	•	•	•	•	•	•	VP-796A	VSM-4X4A
MICROPHONE INPUTS								•	•				2	•		•						1	1			2	2	2		2 (VP-796A)	
POWERED SPEAKER OUTPUTS														•		•			2x10W	2x10W	2x10W	2x10W	2x10W			2x10W	2x10W	2x10W		2x15W (VP-796A)	
AUDIO DSP							•				•		•	•		•			•	•	•	•	•	•	•	•	•	•	•	VP-796A	
INPUT/OUTPUT VOLUME CONTROL				•					•				•																	VP-796A	
AUDIO BREAKAWAY OPTION																			•	•	•	•	•								
IR CONTROL													•	•										•	•	•	•	•	•	•	•
RS-232 CONTROL									•	•	•	•	•	•		•			•	•	•	•	•	•	•	•	•	•	•	•	•
ETHERNET CONTROL									•	•	•	•	•	•		•			•	•	•	•	•	•	•	•	•	•	•	•	•
CONTACT-CLOSURE CONTROL				•		•			•				•															•	•		
POWER SAVE MODE																			•	•	•										

* For additional scalers and pro AV products visit us online at www.KramerAV.com