VP-740/VP-740 ScaleMagix™
ProScale™ & ScaleMagix™ Digital Scaler/Switchers

VGA   RS-232   RGBHV   YC   YUV   DVI   CV/YC/YUV/SDI   YUV

HDTV COMPATIBLE
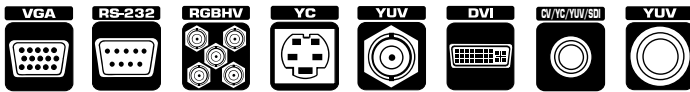
The **VP-740** ProScale (industrial version) and the **VP-740 ScaleMagix** (consumer version) are 8-input scaler/switchers. They scale any composite, s-Video (Y/C), component video (YUV), DVI video or computer graphics video signal up or down to a selectable graphics or HDTV output resolution, and provide glitch-free switching between sources through FTB™ (fade-thru-black) switching technology.
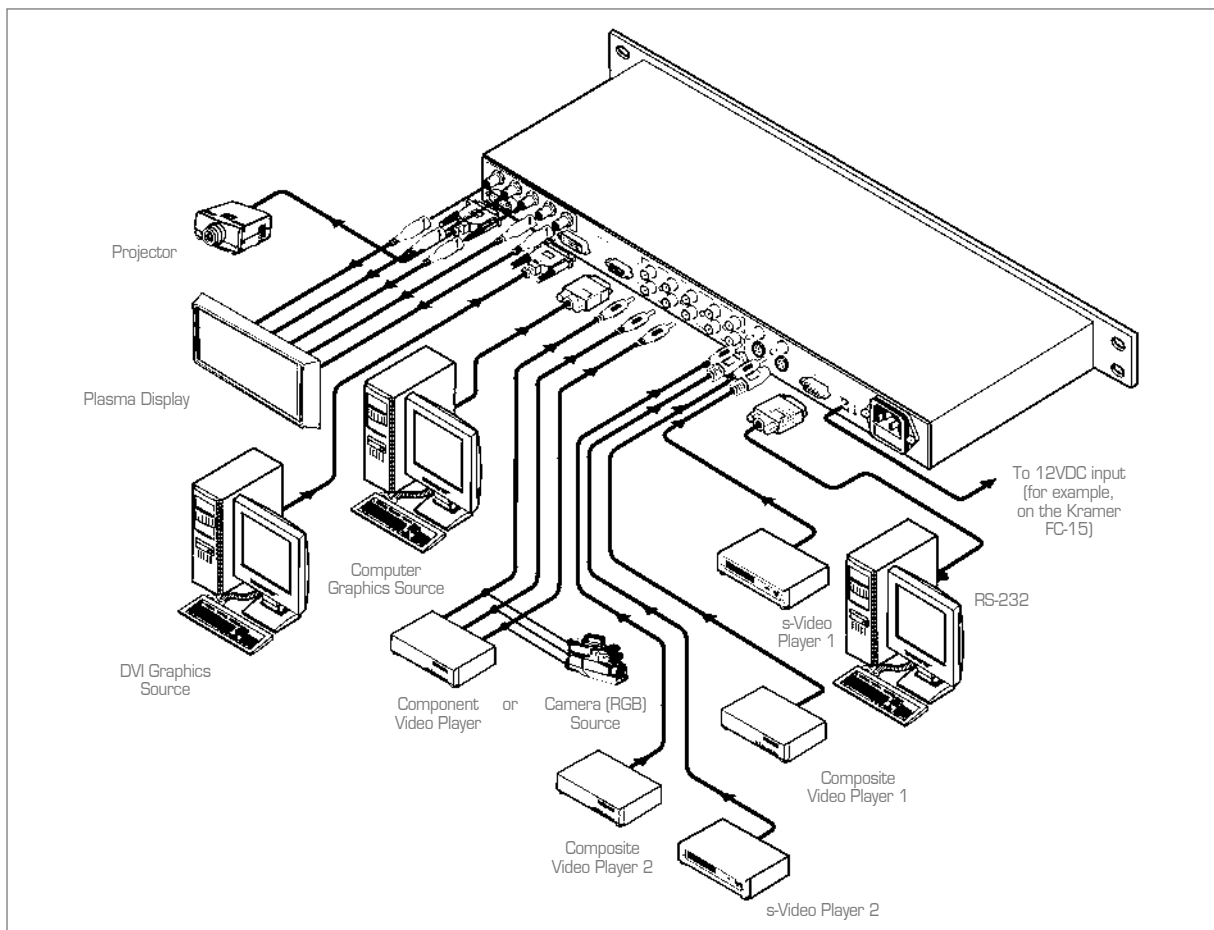
VP-740/VP-740 ScaleMagix™ (con't)

FEATURES

- **K-Storm™ Scaling Technology** – Kramer's extremely high performance scaling technology. High quality 3:2 and 2:2 pull down de-interlacing and full up and down scaling of computer graphics video input signals.

- **Fade-Thru-Black (FTB™) Switching** - The video fades to black and then the new input fades from black for glitch-free and smooth switching. The output signal provides constant sync so the display never glitches.

- **K-ITT™ Picture-in-Picture Image Insertion Technology** - Ultra stable picture-in-picture image insertion capability. Any video source can be inserted into a computer graphics video source and vice versa with positioning and sizing controls. A unique split-screen mode (2 images side-by-side) is also available.

- **VP-740 ScaleMagix™** - Consumer version cabinet.

- **8 Video Inputs** - 2 composite video, 2 s-Video (Y/C), 2 component video (RGBHV/YUV) on 5 BNCs, 1 HD-15F, and 1 DVI-D (on a DVI-I connector).

- **Dual Output Connectors** - 1 DVI-D (on a DVI-I connector) and 1 RGBHV/YUV (on 5 BNC's).

- **HDTV Output Resolutions** - 480p, 720P and 1080i in component format on 3 BNCs, and a DVI output connector simultaneously.

- **Multiple Computer Graphics Output Resolutions** - including a user-defined output resolution with selectable refresh rates.

- **Multi-Standard Video Signal Compatibility** - PAL, SECAM, & NTSC (3.58/4.43).

- **Multiple Aspect Ratio Selections** - 4x3 or 16x9, anamorphic, letter box, and user definable settings.

- **HDTV Compatible Component Inputs.**

- **Built-in Time Base Corrector** - Stabilizes video sources with unstable sync.

- **Multiple Color Space** - Output RGB or YUV (Selectable).

- **Built-in Proc-Amp** - Color, hue, sharpness, contrast, and brightness are set individually for each input.

- **Front Panel Lockout.**

- **Front Panel Display.**

- **Freeze Frame.**

- **Audio Mute.**

- **Video Blanking** - Blue or black screen.

- **Zoom (100% to 400%).**

- **Flexible Control Options** - Front panel buttons, IR. remote (with on-screen menus) & RS-232.

- **Worldwide Power Supply** -100-240V AC.

- **Standard 19" Rack Mount Size** - 1U.

TECHNICAL SPECIFICATIONS

INPUTS:	2 x CV on RCA connectors; 2 x YC on 4p connectors; 2 x RGBHV/YUV on RCA connectors; 1 x VGA/UXGA on an HD15F connector; 1 x DVI-D (not HDCP compliant); 1x RS-232 on DB-9 connector;
OUTPUTS:	1 x DVI-D (not HDCP compliant); 1 x RGBHV/YUV on BNC connectors.
SIGNAL FORMAT:	Video NTSC, NTSC4.43, PAL, PAL-M, PAL-N, PAL-60, SECAM. HDTV 480i/480p, 540p, 576i/576p, 720p, 1080i Graphics: VGA, SVGA, XGA, SXGA, UXGA, Mac, SUN.
SCANNING FREQUENCY:	Pixel Clock 170MHz. Horizontal 15.63 ~ 91kHz, auto/manual select. Vertical 50 ~ 100Hz, auto/manual select.
FEATURES:	Display Aspect Ratio 16:9, 4:3, Anamorphic, Letter Box, Film-mode Detection 3:2/2: 2 Pull-Down Recovery; Y/C separation 3D Y/C Comb Filter; Picture-in-Picture Graphic-on-Video, Video-on-Graphic; Any size, Any location, Direct Swap; Image Parameters Factory-defined x 3 sets; User-definable x 3 sets per channel.
CONTROLS:	Front panel; OSD; IR Remote Control; RS-232.
POWER SOURCE:	Input Voltage 90 ~ 240Vac +/- 10%, 50/60Hz, 40VA.
DIMENSIONS:	VP-740: 48.2cm x 23.6cm x 4.4cm (19" x 9.3" x 1.72") W, D, H. VP-740 ScaleMagix™: 43.2cm x 27cm x 7cm (17" x 10.63" x 2.76") W, D, H.
WEIGHT:	VP-740: 3.35kg. (7.4lbs.) approx. VP-740 ScaleMagix™: 4.00kg. (8.8lbs.) approx.
ACCESSORIES:	Power cord, IR Remote control, null modem adapter.

KRAMER ELECTRONICS, Ltd