

V-440 HD

MULTIFORMAT VIDEO MIXER / LIVE SWITCHER

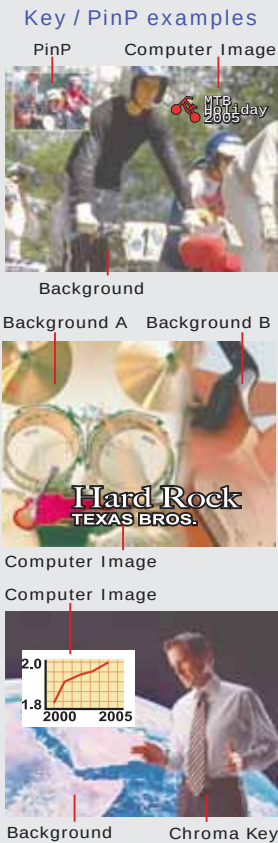
EDIROL
by Roland

Affordable Multiformat Video Mixer and Switcher

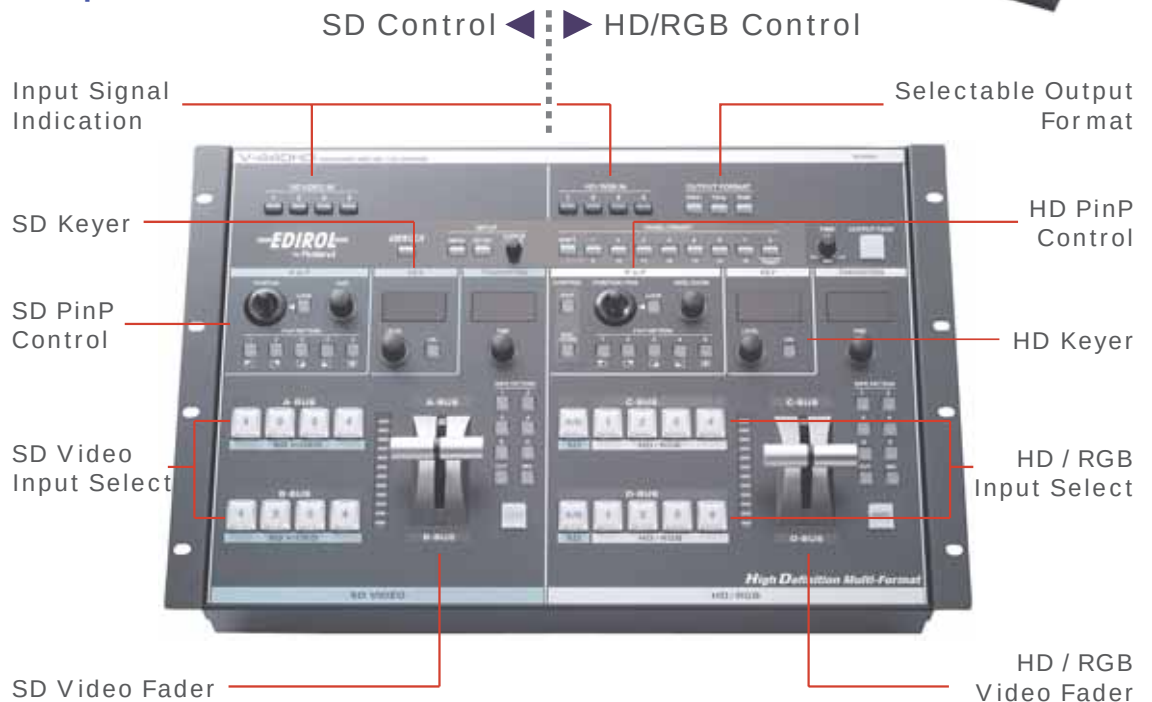
Mix SD video, HD Video and RGB computer signal

Up to 8 inputs (4SD + 4HD or RGB)

Multiple units connect for multi-screen output



Top View



Rear View



Features

Mix multiformat signals

Capable of mixing SD video, HD video and RGB signal from computers.

Choice of output format

Selectable output format; 1080i or 720p for HDTV or RGB for computer display.

Seamless mixing /switching

Seamless mixing or switching of different signal formats with simple operation.

Simple effects control

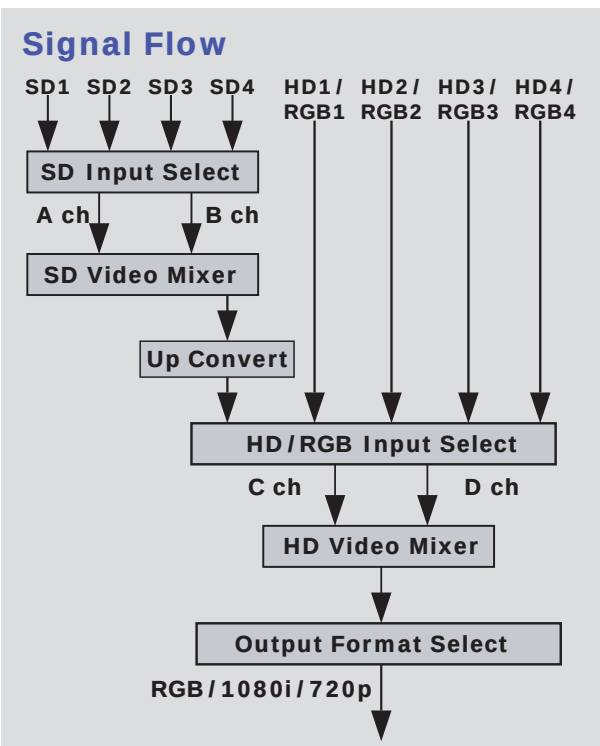
Simple button and dial operation to select type/time of transition effect. Intuitive setup of PinP and SD/HD Keys.

Connect multiple units

With thru outputs and MIDI sync, multiple units can be connected for output to multiple screens (video walls).

Remote controllable

V-LINK for control from any Roland/EDIROL musical instruments; RS-232C for computer control.



Features and specifications are subject to change without notice.

Specifications

Video Format	
Standard Definition	NTSC,PAL
High Definition	(1024x768pix V:60,70,75Hz), SXGA(1280x1024 V:60Hz)
RGB	(YUV) 720P(V:59.94Hz,50Hz),1080i(V:59Hz.94Hz,50Hz)
Video Sampling	
Standard Definition	13.5MHz,4:2:2 (Y:B-Y:R-Y), 8 bit sampling
High Definition	74.1758MHz(V=59.94Hz)/74.25MHz(V=50Hz) 4:4:4 (Y:Cb:Cr), 8 bit sampling
RGB	65MHz to 110MHz 4:4:4 (G:B:R), 8 bit sampling
Video Inputs	
Standard Definition	Composite: BNC Connector x4ch Y/C (S-video)*: 4pin MiniDIN Type x4ch With active through output Brightness: 1Vp-p,75ohms Chroma: 0.286mVp-p,75ohms(NTSC), 0.3mVp-p,75ohms(PAL) *S-video input has priority
High Definition	Component: Y/Pb/Pr BNC Connectors x4ch Resolution: 1080i 59.94/50Hz (SMPTE274M), 720p 59.94/50Hz (SMPTE296M) Scanning: Progressive or Interlace Video Signal Level: Y: +0.7Vp-p Pb/Pr: +/-0.35V (75ohm termination) Sync signal level: +/-0.3V(75ohm termination) Ternary sync
RGB	D-SUB15pinx4ch Resolution: 640x480pix V:60,70,75Hz VESA 800x600pix V:60,70,75Hz VESA 1024x768pix V:60,70,75Hz VESA 1280x960pix V:60,70,75Hz VESA 1280x1024pix V:60Hz VESA Scanning: Progressive Video Signal Level: R,G,B 0.7Vp-p (75ohm termination) Sync signal: H-Sync, V-Sync separated Sync signal level: TTL Level (Positive Sync/Negative Sync : Auto detect)
Video Outputs	
Standard Definition	Composite: BNC Connector x1 1Vp-p,(75ohm termination) Y/C (S-video): 4pin MiniDIN Type x1 Preview output: Composite (BNC Connector) x1
High Definition	Component : Y/Pb/Pr (BNC Connectors) * PGM-OUT x2, Preview-OUT x1 Resolution: 1080i 59.94/50Hz (SMPTE274M), 720p 59.94/50Hz (SMPTE296M) Scanning: Progressive or Interlace Video Signal Level: Y: +0.7Vp-p Pb/Pr: +/-0.35V (75ohm termination) Sync signal level: +/-0.3V(75ohm termination) Ternary sync Output format : RGB or 1080i or 720P
RGB	D-SUB 15pin PGM-OUT x2, Preview-OUT x1 Resolution: 640x480pix V:60,70,75Hz VESA 800x600pix V:60,70,75Hz VESA 1024x768pix V:60,70,75Hz VESA 1280x960pix V:60,70,75Hz VESA 1280x1024pix V:60Hz VESA Scanning: Progressive Video signal level: R,G,B 0.7Vp-p(75ohm termination) Sync signal level: TTL Level (Positive Sync)
Effects	
Standard Definition	MIX, WIPE, PinP, Luminance Key, Chroma Key(blue/green)
High Definiton	MIX, WIPE, PinP, Luminance Key, Chroma Key(blue/green)
Multiscreen Ouput	daisy-chaining multiple V-440 HD's
Remote Interfaces	
Tally	D-SUB 15pin type x 2 (1 for SD + 1 for HD)
MIDI	5 pin DIN type (in/out)
RS-232C	D-SUB 9pin
General	
Power Supply	AC 100 to 240V 50 to 60Hz
Power Consumption	50W(100-120V:0.5A, 200-240V:0.3A)
Size & Weight	
Width	482mm 17-7/8in
Depth	308mm 12-3/4in
Height	130mm 4-1/4in
Weight	4.0kg 8.8lbs.

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