FINALLY AN AFFORDABLE VIDEO MIXER FOR THE FOUNDATION OF YOUR MULTI-FORMAT VIDEO PRODUCTION

With the capability to input 4 SD video sources and 4 HD or RGB video sources, the V-440HD enables seamless mixing and switching of multi-format video signals. With a single unit allowing images with different aspect ratios (16:9 or 4:3), the V-440HD can also be used as an independent SD mixer or HD/RGB mixer. Add various effects like PinP, 2 Keyers or transitions and it's easy to see how this unit becomes the center of all your multi-format video production. The V-44SW switcher incorporates the same technology and capabilities of the V-440HD in a compact rack-mount design.

Video Format

SD   : NTSC or PAL（CVBS、S（Y/C））
HD   : 1080/59.94i/50i
SMPTE274M（Y:Pb:Pr TriLevel Sync）

720/59.94p/50p
SMPTE296M （Y:Pb:Pr TriLevel Sync）
RGB 　　: 640x480/60/75, 800x600/60/75,
1024x768/60/75,1280x768/60/75, 1280x1024/60
(RGB VH:positive/negative logic)
*VESA DMT Version 1.0 Revision 10 conform

Video Sampling

SD 　　: 4:2:2 （Y:B-Y:R-Y）, 8-bit, 13.5 MHz(BT.601)

HD 　　: 4:4:4 （Y:Cb:Cr）, 8-bit, 74.1758 MHz/74.25 MHz

RGB 　: 4:4:4 （R:G:B）, 8-bit, 25 MHz to 110 MHz

Video Transition

Cut, Dissolve(MIX), Wipe : 6Patterns, Reverse, SoftEdge, OneWay

Composition FX

Picture in Picture, Chroma Key (Blue/Green), Luminance Key(White/Black)
Picture in Picture with Zoom/Pan (HD/RGB side only)

Multi-Screen Presentation

Screen Setup : 2 screens x 1 line, 3 screens x 1 line, 2 screens x 2 lines, 3 screens x 2 lines

Synchronization of Multiple Units by MIDI

Control the slave unit(s) from master unit

Master Fade

0 to 4 seconds Black or White

SD Input

S-Video (Y/C) Preferential x 4 :-
4-pin mini DIN type
(Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms)

Video (composite) x 4 :-
BNC type (1.0 Vp-p, 75 ohms)

HD/RGB Input

BNC Type x 4
HD : Y/Pb/Pr (1.0Vp-p, 75Ω, TriLevel Sync)

RGB : R/G/B (0.7Vp-p, 75Ω), H (5VTTL), V (5VTTL)
D-SUB 15pin Shrink Type for HD/RGB   x 4
*For In or ThruOut use, select BNC Type or D-sub Type

SD Output

PGM S-Video (Y/C):-
4-pin mini DIN type
(Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms)
PGM Video (composite) :-
BNC type (1.0 Vp-p, 75 ohms)

Preview :-
BNC type (1.0 Vp-p, 75 ohms), OSD Menu Output

HD Output

PGM Component HD:-
BNC Type x2 (1.0Vp-p, 75 ohms, TriLevel Sync)
Preview Component HD :-
BNC type (1.0 Vp-p, 75 ohms, TriLevel Sync)
OSD Menu Output (display On/Off is selectable)

RGB Output

PGM RGB :-
D-sub 15pin Shrink Type x2 (0.7Vp-p, 75 ohms, 5VTTL Sync)
Preview RGB :-
D-sub 15pin Shrink type (0.7 Vp-p, 75 ohms, 5VTTL Sync)
OSD Menu Output (display On/Off is selectable)

Remote Control Interfaces

MIDI 5pin DIN Type (In, Out/Thru), RS-232C D-sub 9pin

TALLY Output

D-sub 15pin Shrink type x2 (1 for SD/1 for HD)
Max Input : 12V, 200mA Open collector Type

Power Supply

AC 117 V, AC 230 V, AC 240 V (50/60 Hz), AC 220 V (60 Hz)

Power Consumption

50W

Accessories

Owner's Manual, Power Cord

SIZE AND WEIGHT

Width

482 mm
19 inches

Depth

308 mm
12-1/8 inches

Height

130 mm
5-1/8 inches

Weight

6.8 kg
6.8 kg or 15 lbs

*EIA-7U Rack Mount Size