



DIP-31

4K60 4:2:0 HDMI & Computer Graphics Automatic Video Switcher



The DIP-31 is a 4K@60Hz (4:2:0) automatic switcher for HDMI, VGA, Ethernet, data and unbalanced audio signals. It supports various modes of input selection and transmit the signal via HDMI cable to a compatible receiver (for example the VS-62H or a display/projector). The device is a Step-in commander when connected to a matrix switcher that supports Step-in over HDMI such as the VS-62H. It also features RS-232 commands to support monitor/projector on/off.

FEATURES

- Max. Resolution - 4K@60Hz (4:2:0) and WUXGA.
- Max. Data Rate - 10.2Gbps (3.4Gbps per graphic channel).
- HDTV Compatible.
- HDCP Compliant - With sources that support HDCP repeater mode.
- HDMI Support - Deep Color, x.v.Color™ and 3D.
- Automatic Live Input Detection - Based on video clock presence.
- Automatic Input Selection - Based on priority selection or last connected input.
- Manual Input Selection.
- Step-in Support.
- Automatic Analog Audio Detection & Embedding.
- Convenient Control - Via Kramer Protocol 3000 and embedded Web pages over a LAN.
- RS-232 Command Support.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems.

TECHNICAL SPECIFICATIONS

INPUTS:	2 HDMI on HDMI connectors, 1 VGA on a 15-pin HD (F) connector, 1 unbalanced stereo audio 1V RMS (nominal) on a 3.5mm mini jack.
OUTPUTS:	1 HDMI connector, 1 unbalanced stereo audio 1V RMS (nominal) on a 3.5mm mini jack.
PORTS:	1 Ethernet on an RJ-45 connector, 1 RS-232 3-pin terminal block control port, 1 RS-232 3-pin terminal block data port (internal use), 1 USB on mini USB connector.
CONTROLS:	Remote switches for input switching, step-in, volume control, and device reset switch.
STANDARDS:	HDMI with Deep Color, x.v.Color™ and 3D, HDCP—works with sources that support HDCP repeater mode.
MAXIMUM ANALOG AUDIO LEVELS:	3.1Vpp.
SNR:	-70dBu.
THD:	0.013%.
SUPPORTED WEB BROWSERS:	Windows 7 and higher: Internet Explorer (32/64 bit) version 11, Firefox version 30, Chrome version 35; MAC: Chrome version 35, Firefox version 27, Safari version 7; Android OS: Chrome version 35; iOS: Chrome version 35, Safari version 7.
POWER CONSUMPTION:	12V DC, 600mA
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
COOLING:	Convection.
ENCLOSURE TYPE:	Aluminium.
DIMENSIONS:	18.75cm x 11.5cm x 2.54cm (7.38" x 4.53" x 1.0") W, D, H.
WEIGHT:	0.43kg (0.95lbs) approx.
SHIPPING WEIGHT:	0.93kg (2.05lbs) approx.
ENVIRONMENTAL REGULATORY COMPLIANCE:	Complies with appropriate requirements of RoHs and WEEE.
INCLUDED ACCESSORIES:	Power supply, ADC-DPM/HF DisplayPort (M) to HDMI (F) adapter cable, (for connecting a DisplayPort source to the HDMI input), DIP-30BP black panel.
OPTIONS:	Rack adapter RK-T2B.
WARRANTY:	7 years parts and labor.

CONFIGURATIONS
