



DIP-31M

4K60 4:2:0 HDMI & VGA Auto Switcher with Maestro Room Automation



The DIP-31M is a 4K@60Hz (4:2:0) automatic switcher for HDMI, VGA, Ethernet, data and unbalanced audio signals. It provides full room automation and personalization including control of lights, screens, shades and many other exciting options. It supports various modes of input selection and transmits 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

- Powerful Room Automation - Web pages control automation of room lights, shades and devices.
- 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.
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.
PRODUCT DIMENSIONS:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
PRODUCT WEIGHT:	0.4kg (0.9lbs) approx.
SHIPPING DIMENSIONS:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H
SHIPPING WEIGHT:	1.0kg (2.3lbs) approx.

