



## DIP-31

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

| HDMI | Ethernet - RJ-45 | HDCP Compliant  
| 4K/60 UHD (4:2:0)



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

**Simple and Powerful Maestro Room Automation** - Intuitive user interface enables you to fully automate your meeting room elements. Configure lights, shades, devices and more to be activated by an extensive range of triggers, including input/output connectivity, routing, and button pressing. By minimizing user intervention, Maestro room automation saves meeting prep time and minimizes human error before presentations

**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**

**EDID Pass-through** - Pass-through algorithm ensures Plug and Play operation for HDMI source and display systems



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## TECHNICAL SPECIFICATIONS

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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%
Room Automation	Kramer Maestro V1.0
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:	Aluminum
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
WARRANTY:	7 years parts and labor
Product Dimension	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 Dimension	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05" ) W, D, H
Shipping Weight	0.9kg (2.1lbs) approx



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## CONFIGURATIONS

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DIP-30BP	Black Front Panel for DIP-30
DIP-31	4K60 4:2:0 HDMI & Computer Graphics Automatic Video Switcher
DIP-31/JP	4K60 4:2:0 HDMI & Computer Graphics Automatic Video Switcher - JP

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