



KRAMER

DIP-31M

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-31M is a 4K@60Hz (4:2:0) automatic switcher for HDMI, VGA, Ethernet, data and unbalanced audio signals. It provides full room automation 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

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

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:	1.0kg (2.3lbs) approx



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CONFIGURATIONS

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

