



Monoprice™

HDMI® Signal Generator and Display Analyzer

Compact AV Tool for 4K HDMI Signal Generation, Display Analysis, and HDCP™ Testing

The Monoprice HDMI Signal Generator and Display Analyzer is a versatile tool that simplifies the work of AV installers and technicians by combining signal generation and display analysis in one compact device. Functioning as both an HDMI generator and a display emulator (analyzer), it supports resolutions up to 4K@60 with rich 4:4:4 chroma, ensuring compatibility with modern display technologies.

Users can easily adjust video resolutions and manage HDCP settings through a user-friendly 4-pin DIP switch, selecting output formats such as 4K@60 4:4:4, 4K@60 4:2:0, 4K@30 4:4:4, and 1080p@60.

The device monitors HDCP status and signal conditions—including 5V and T.MDS®—with LED indicators that clearly display connection and encryption status. It supports HDCP OFF, HDCP 1.4, and HDCP 2.2 modes and includes four test patterns for verifying HDCP versions, ensuring comprehensive compatibility testing and diagnostic accuracy.

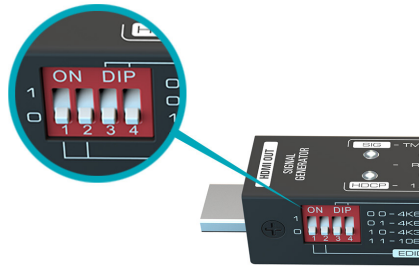
Additionally, it is backward compatible with USB 2.0 and 1.1, enhancing its versatility across different setups. With its robust feature set and intuitive controls, the Monoprice HDMI Signal Generator and Display Analyzer is an essential tool for AV professionals who value dependable performance and precise testing or installation.

- Functions as an HDMI signal generator or display emulator (signal analyzer)
- Provides 4-pin DIP switch for setting video resolution and HDCP content.
- Supports 4K60 4:4:4, 4K60 4:2:0, 4K30 4:4:4, and 1080p60 video signal outputs
- Backwards compatible with USB 2.0 and 1.1
- Supports HDCP OFF, HDCP 1.4 or HDCP 2.2 output
- Supports four different test pattern versions for HDCP
- LEDs show signal and HDCP status



ULTIMATE VERSATILITY

Functions as both an HDMI signal generator and a display analyzer, supporting up to 4K@60 4:4:4 resolutions for seamless compatibility with modern AV technology.



EFFORTLESS SIGNAL MANAGEMENT

Easily set video resolutions and manage HDCP content using a handy 4-pin DIP switch, with clear LED indicators for signal and HDCP status.



ESSENTIAL FOR AV PROFESSIONALS

Robust features—including support for multiple HDCP modes and four built-in test patterns—make this device indispensable for reliable AV installations and precise testing environments.

Full Specs

P/N	48143
Input Connector	Input: 1× HDMI
Output Connector	Output: 1× HDMI
Control	4-pin DIP Switch
Input Video Resolution	Up to 4K @ 60Hz 4:4:4 8-bit
Output Video Resolution	Supports 4K @ 60Hz 4:4:4, 4K @ 60Hz 4:2:0, 4K @ 30Hz 4:4:4, and 1080p @ 60Hz
Operation Temperature	23 °F – 131 °F / -5 °C – 55 °C
Storage Temperature	-13 °F – 158 °F / -25 °C – 70 °C
Storage Humidity	10–90% (relative humidity, non-condensing)
Packaging Method	Corrugated Box
Dimensions (L x W x H)	0.75" x 3.0" x 0.9" (19 x 75 x 22 mm)
Weight	2.3 oz (65 g)



PACKAGE CONTENTS

- 1x HDMI Signal Generator and Display Analyzer
- 1x USB Power Cord
- 1x Brown Cloth Bag
- 1x User Manual