

# Low-Cost 4K HDMI Video Test Pattern Generator

<https://www.montest.com/test-pattern-generators/4k-hdmi-test-pattern-generator-108.html>

- Generates 16 test patterns and 7 timings, which include color bar, gray, grid, block.
  - Front panel control button cycles through the 16 test patterns.
  - Front panel switch for selecting one of seven resolutions.
- Supports Ultra-HD 4Kx2K resolutions (3840x2160 and 4096x2160 @60Hz) and 1080p HDTV resolution.
- HDMI features supported:
  - HDMI 2.0
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2
  - 24-bit Deep Color
- Analyzes HDCP compliance and version.
  - HDCP 2.2 and 1.4 compliant.
- Supports maximum 594MHz pixel frequency.
- LED indicators provide a quick way to view power status and HDCP version.
- Saves the last HDCP and pattern setting values.
- Powered by included 9V alkaline battery or AC adapter.



**MONTEST-HD4K-LC**

The 4K Ultra-HD HDMI Video Test Pattern Generator is a battery powered, portable, compact unit that generates video test patterns for evaluating 4K HDMI displays. Featuring 16 video test patterns and 7 timings up to Ultra-HD 4Kx2K 60Hz 4:4:4, the unit will quickly determine color performance, linearity, and HDCP.

## Specifications

### Video

- One female HDMI Type A connector for output.
- HDMI 2.0 compliant.
- HDCP 1.4 and 2.2 compliant.
- Supports Ultra-HD 4Kx2K resolutions (3840x2160 and 4096x2160 @30/60Hz) and 1080p @60Hz HDTV resolution.
  - Does not generate resolutions lower than 1920x1080.

### Power

- Powered by included 9V alkaline battery or AC adapter.
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter.
  - Output: 12VDC, 1.25A
  - Battery runtime: up to 30 minutes, continuous
    - ♦ Features a low battery power indicator.
    - ♦ Automatically shuts off after 3 minutes being idle.

### Dimensions

- WxDxH (in): 3.43x5.2x1.08 (87x132x28 mm)

### Regulatory Approvals

- RoHS
- TAA compliant

### Package Contents

- One 4K HDMI Pattern generator
- One power adapter 12VDC, 1.25A
- One 9V alkaline battery
- One user manual

### Test Patterns

