



## BG-AVTPG-MINI-SE

MINI 4K60 HDMI DIAGNOSTIC TOOL WITH SIGNAL GENERATOR PATTERN TESTER AND HDCP EMULATOR

The BG-AVTPG-MINI-SE is a highly portable, pocket-sized HDMI 2.0 signal generator and display emulator meticulously engineered for field testing, system validation, and on-site troubleshooting of commercial and residential AV installations. Designed to eliminate guesswork during installation and maintenance, this dual-function tool allows system integrators and field technicians to quickly verify signal path integrity, analyze HDMI source output behavior, and confirm HDCP compliance without lugging around heavy equipment. By combining essential pattern generation and active signal analysis into a single lightweight chassis, it serves as an indispensable diagnostic device for resolving complex handshake issues, testing cabling performance, and ensuring seamless source-to-display communication.



## FEATURES



### DUAL FUNCTIONALITY

Functions as both an HDMI test pattern generator and signal analyzer



### 4K@60HZ SUPPORT

Outputs selectable resolutions up to 4K@60Hz 4:4:4 and 1080p@60Hz



### HDCP VERIFICATION

Tests HDCP 2.2, HDCP 1.4, and HDCP OFF compatibility



### DIP SWITCH CONTROL

Easily change resolution and HDCP modes without software



### LED INDICATORS

Provides real-time feedback for 5V power, TMDS, and HDCP status



### MICRO-USB POWERED

Ultra-compact, lightweight design ideal for field diagnostics



## TECH SPECIFICATIONS

### Technical Specifications

|                          |                                                            |
|--------------------------|------------------------------------------------------------|
| Product Type             | HDMI Signal Generator & Display Emulator (Signal Analyzer) |
| HDMI Version             | HDMI 2.0                                                   |
| Input Interface          | 1x HDMI IN (19-pin Type-A male)                            |
| Output Interface         | 1x HDMI OUT (19-pin Type-A male)                           |
| Control Method           | 4-pin DIP switch                                           |
| Video Output Resolutions | 4K@60Hz 4:4:4, 4K@60Hz 4:2:0, 4K@30Hz 4:4:4, 1080p@60Hz    |
| Max Input Resolution     | Up to 4K@60Hz 4:4:4 8-bit                                  |
| HDCP Support             | HDCP 1.4, HDCP 2.2, HDCP OFF                               |
| Test Pattern Support     | 4 selectable HDCP test patterns                            |
| Status Indicators        | SIG LED, HDCP LED                                          |
| Power Input              | 5V DC (Micro-USB)                                          |
| Power Consumption        | ≤2W (Max)                                                  |
| Operating Temperature    | 23°F to 131°F / -5°C to +55°C                              |
| Storage Temperature      | -13°F to +158°F / -25°C to +70°C                           |
| Relative Humidity        | 10% to 90%, non-condensing                                 |
| Dimensions (W x H x D)   | 2.95 x 0.87 x 0.75in [75 x 22 x 19 mm]                     |
| Net Weight               | 0.14 lb [65 g]                                             |



### Limited Product Warranty Terms

**Pro Line:** 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

**Essential Line:** 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

**Cables:** Lifetime Limited Product Warranty.

For complete warranty information, please visit [bzbgear.com/warranty](https://bzbgear.com/warranty).

For questions, please call 1.888.499.9906 or email [support@bzbgear.com](mailto:support@bzbgear.com).

Pro Line Products  
**5-YEAR WARRANTY**  
Essential Line Products  
**3-YEAR WARRANTY**  
Cables Products  
**LIFETIME WARRANTY**

