

# Catalog 2025

Integration Tools

# BZBGEAR

## Integration Tools

AV integration tools are essential yet often underestimated in a technician's arsenal. These tools not only generate reliable test signals but, in select models, also analyze them, enabling technicians to swiftly diagnose issues with cabling, equipment, and compatibility.

With our cutting-edge solutions, you can test HDMI signals at resolutions up to 4K@60Hz on our 4K models, and up to 8K@60Hz and 4K@120Hz on our 8K models.

For SDI signal testing, our 12G-SDI tester supports signals up to 4K@60Hz while maintaining backward compatibility with earlier SDI formats.



4K AND 8K  
CAPABILITIES



HDMI AND SDI  
SUPPORT



PORTABLE AND  
DURABLE DESIGN



BG-AVTPG-MINI

4K/1080P HDMI 2.0 18GBPS PORTABLE SIGNAL TEST GENERATOR AND ANALYZER

The BG-AVTPG-MINI is a portable handheld 4K signal analyzer and test pattern generator. Capable of generating and analyzing HDMI signals at resolutions up to 4096x2160@60Hz 4:4:4, This powerful tool provides users with the ability to quickly test and verify HDMI cabling and equipment.

Supports a maximum resolution of 4K2K@60Hz, the BG-AVTPG-MINI can generate and analyze signals with chroma subsampling rates of 4:4:4 8-bit and 4:2:0 16-bit (HDR).



4K SUPPORT

Supports up to 4K2K@60 4:4:4 8-bit, HDR 10-bit, 12-bit, 16-bit



HDCP 2.2

HDCP 1.4 and 2.2 compliant



18GBPS/HDMI 2.0

The maximum bandwidth possible due to the introduction of HDMI 2.0



Check out this item on our website

BG-AVTPG-4K

4K/1080P HDMI 2.0 18GBPS VIDEO TEST PATTERN GENERATOR/TESTER AND ANALYZER WITH ETHERNET

The BG-AVTPG-4K is a HDMI 2.0 test pattern generator and analyzer designed for professional A/V integrators and technicians. With a versatile array of functions and features, it's an essential part of any professional's toolkit. Capable of sending and receiving HDMI signals up to 4096 x 2160 4:4:4, this device makes it easy to test and verify functionality of AV cabling and equipment.



4K SUPPORT

4K2K@60 4:4:4 8-bit, 4K2K@60 4:2:0 16-bit HDR pattern generator



18GBPS

High-bandwidth HDMI



AUDIO SUPPORT

Support LPCM, DD, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through



Check out this item on our website

BG-AVTPG-KIT

BG-AVTPG-4K AND BG-AVTPG-MINI INSTALLER KIT

The BG-AVTPG-KIT combines 2 of our best selling HDMI tester/analyzers for a comprehensive toolkit that should be a part of every professional installer's arsenal. The kit includes one BG-AVTPG-4K and one BG-AVTPG-MINI in a foam-lined protective case built to withstand years of job site abuse. The kit allows for full end-to-end testing of all HDMI-related cabling and gear, allowing installers to quickly identify and correct issues that would otherwise complicate and delay progress.



4K SUPPORT

4K2K@60 4:4:4 8-bit, 4K2K@60 4:2:0 16-bit HDR pattern generator



DURABLE CHASSIS

Designed to hold up to the demands of field work



18GBPS/HDMI 2.0

The maximum bandwidth possible due to the introduction of HDMI 2.0



Check out this item on our website

BG-SDITPG-G2

4K/1080P 12G-SDI VIDEO TEST PATTERN GENERATOR (12G/6G/3G/HD-SDI SUPPORT)

Introducing the BG-SDITPG-G2 12G/6G/3G/HD/SD-SDI Pattern Generator, the ultimate tool for SDI pattern generation and testing. This state-of-the-art device offers multi-format support for 12G/6G/3G/HD/SD and a wide range of test patterns, making it an essential tool for professionals in broadcasting, professional AV, and related industries.



MULTI-PATTERN FUNCTIONALITY

Still and moving video test patterns



MULTI-FORMAT SUPPORT

12G/6G/3G/HD/SD-SDI



AUDIO SUPPORT

Up to 8 channels of AES-compliant audio at 48KHz sample rate (SMPTE-291M)



Check out this item on our website



BG-AVTPG-MINI-G2  
8K/4K/1080P HDMI 2.1 48GPBS PORTABLE  
SIGNAL TEST GENERATOR AND ANALYZER

The BG-AVTPG-MINI-G2 is a compact and portable device designed for professionals working with HDMI 2.1 signals. As a versatile tool, it serves as both a signal generator and analyzer, catering to installers and integrators. It supports a wide range of HDMI signals, including high-resolution formats like 8K60 4:2:0 10bit and 8K30 4:4:4, as well as common resolutions like 4K60 and 1080P.

- 8K

**8K SUPPORT**  
Supports 8K60 4:2:0 and 8K30 4:4:4, ensuring an accurate display of details and colors
- HDCP

**HDCP TEST CAPABILITY**  
Validates secure content transmission
- HDCP

**HDCP PROTECTION**  
HDCP 1.4 & 2.3 compliant



TOP NEW TECHNOLOGY (TNT) AWARD 2025 - CATEGORY: INSTALLATION TOOLS AND TESTERS



SCN HONORS INSTALLATION PRODUCT AWARDS WINNERS AT INFOCOMM 2024



BEST OF SHOW - NAB SHOW 2024: SOUND & VIDEO CONTRACTOR



BEST IN-FIELD INTEGRATOR PRODUCT - RAVE AGENCY - CIX 2023







TAA COMPLIANT



Check out this item on our website

BG-AVTPG-8K  
8K UHD HDMI 2.1 48GBPS ADVANCED SIGNAL  
TEST GENERATOR AND ANALYZER (1080P/4K/8K  
SUPPORT)

The BG-AVTPG-8K stands out as an HDMI 2.1 signal generator and analyzer, serving as an indispensable and versatile tool specifically crafted for integrators. It effortlessly accommodates the full bandwidth of HDMI 2.1 and HDCP 2.2, streamlining the installation and troubleshooting processes like never before.

- 8K

**FUTURE PROOF**  
8K60 4:2:0 8-bit, 8K30 4:4:4, 4K2K 120Hz & 4K2K@60 10-bit/12-bit HDR pattern generator
- HDCP

**HDCP COMPLIANT**  
HDCP analyzer and generator that is able to transmit HDCP encrypted video
- BATTERY

**RECHARGEABLE BATTERY POWERED**  
Portable for up to 9 hours on a full charge



BEST OF SHOW - ISE 2024: SOUND & VIDEO CONTRACTOR WINNER



2024 TOP NEW TECHNOLOGY (TNT) AWARD - CATEGORY: RESIDENTIAL > INSTALLATION TOOLS AND TESTERS





TAA COMPLIANT



Check out this item on our website

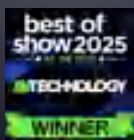


BZBGEAR AWARDS

BZBGEAR takes pride in its portfolio of award-winning products, recognized at numerous prestigious trade show events. These accolades reflect the innovation, quality, and performance that define our solutions. Explore what sets our award-winning products apart and discover why professionals worldwide trust BZBGEAR for their AV and broadcasting needs!



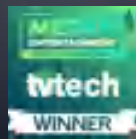
TOP NEW TECHNOLOGY (TNT) AWARD 2025



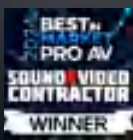
BEST OF SHOW AT ISE 2025



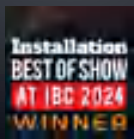
SVC INNOVATIVE PRODUCTS: READERS' CHOICE 2024



MEDIA & ENTERTAINMENT: BEST IN MARKET 2024 AWARDS



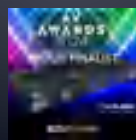
PRO AV BEST IN MARKET AWARDS 2024



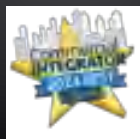
BEST OF SHOW - IBC2024



BEST OF SHOW - CEDIA 2024



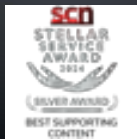
AV AWARDS 2024 - FINALIST



COMMERCIAL INTEGRATOR BEST AWARDS 2024



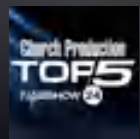
SCN INSTALLATION PRODUCT AWARDS 2024



2024 SCN STELLAR SERVICE AWARDS



BEST OF SHOW - NAB SHOW 2024: SOUND & VIDEO CONTRACTOR WINNER



TOP 5 PRODUCTS FOR CHURCHES FROM NAB 2024



2024 INAVATION AWARDS TECHNOLOGY FINALIST - ISE 2024



BEST OF SHOW - ISE 2024: AV TECHNOLOGY WINNER



BEST OF SHOW - ISE 2024: SOUND & VIDEO CONTRACTOR WINNER

See more BZBGEAR Awards at [bzbgear.com/awards](https://bzbgear.com/awards)



## ABOUT BZBGear

Founded in 2019 and headquartered in Sacramento, California, BZBGear® has quickly emerged as a global leader and one-stop manufacturer of professional AV and broadcasting solutions. Dedicated to delivering excellence, BZBGear focuses on combining innovative design, exceptional user experience, and unparalleled lifetime product support.

### OUR PRODUCTS

Each solution is meticulously crafted by a team of expert hardware and software engineers to ensure superior quality and cutting-edge functionality. Recognized for its award-winning products and industry-leading support, BZBGear has become the go-to choice for AV and broadcast applications, trusted by professionals worldwide.

### WHAT BZBGear HAS TO OFFER

BZBGear delivers comprehensive professional AV and broadcasting solutions, including live streaming and video production products. Our mission extends beyond providing exceptional gear—we pride ourselves on unparalleled customer service and reliable seven-days-a-week technical support. Our team is celebrated for delivering outstanding assistance and ensuring customer satisfaction at every step.

At BZBGear, we prioritize our customers' needs and concerns, offering the highest level of professional support. By fostering relationships built on integrity and trust, we approach every interaction with honesty and fairness, always striving to place ourselves in our clients' shoes.

Our vision is to make cutting-edge AV technology accessible to everyone at a fair price. Because everyone deserves to see, hear, and experience the remarkable advancements of today's AV world

### 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).

### BZBGear WARRANTY

Pro Line Product

**5-YEAR WARRANTY**

Essential Line Product

**3-YEAR WARRANTY**

Cables Product

**LIFETIME WARRANTY**

Learn more about BZBGear at [bzbgear.com/company](https://bzbgear.com/company)



[bzbgear.com](https://bzbgear.com)

1.888.499.9906

[sales@bzbgear.com](mailto:sales@bzbgear.com)

[support@bzbgear.com](mailto:support@bzbgear.com)

[info@bzbgear.com](mailto:info@bzbgear.com)



2025

830 National Drive, Suite 140  
Sacramento, CA 95834, United States