

Catalog 2026

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-G2

8K/4K/1080P HDMI 2.1 48GBPS 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 TEST CAPABILITY

Validates secure content transmission
- HDCP PROTECTION

HDCP 1.4 & 2.3 compliant



COMMERCIAL INTEGRATOR
BEST AWARDS 2025 -
INSTALLATION TOOLS &
TESTERS



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





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 COMPLIANT

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





Check out this item
on our website

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. Designed for the rigors of field use, the BG-AVTPG-4K is encased in a sturdy metal chassis with shock-resistant rubberized edges.



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-AVTPG2-KIT

BG-AVTPG-4K AND BG-AVTPG-MINI-G2 INSTALLER KIT

The BG-AVTPG2-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-G2 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

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



COMMERCIAL INTEGRATOR
BEST AWARDS 2025



TOP NEW TECHNOLOGY (TNT)
AWARD 2025



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-4KBHS-PRO

HDMI 2.0 & 12G/6G/3G/HD-SDI CROSS
CONVERTER AND SCALER WITH 3.5" LCD
DISPLAY/BUILT-IN TEST PATTERNS/AUDIO
EMBEDDER/DE-EMBEDDER

The BG-4KBHS-PRO is a professional-grade HDMI 2.0 and 12G/6G/3G/HD-SDI cross-converter and scaler built for high-performance signal conversion, monitoring, and analysis. Designed for broadcast, production, and professional AV applications, it supports up to 12G-SDI 4K60 and HDMI 2.0 4K60 video formats for seamless interoperability across a wide range of devices.

 **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



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) AWARDS 2026 – ISE
WINNER OF 3 TNT AWARDS



BEST OF SHOW AWARDS
2026 – ISE



PRO AV BEST IN MARKET
AWARDS 2025



BEST OF SHOW AWARDS
AT IBC 2025



BEST OF SHOW AWARDS
AT IBC 2025



CE PRO BEST PRODUCT
AWARD 2025



BEST OF SHOW AWARDS
AT CEDIA 2025



BEST OF SHOW AWARDS
AT CEDIA 2025



BEST OF SHOW AWARDS
AT INFOCOMM 2025



COMMERCIAL
INTEGRATOR BEST
AWARDS 2025



2025 SCN STELLAR
SERVICE AWARDS



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

See more BZBGear Awards at 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.

For questions, please call 1.888.499.9906 or email 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



BZBGear FUNDAMENTALS

At BZBGear, we pride ourselves on being a dynamic company dedicated to creating innovative and reliable solutions that address the challenges of today's AV and broadcasting industries.

With BZBGear Fundamentals, you receive the highest level of customer support, comprehensive training, and unparalleled warranty protection in the industry.

COMPLIMENTARY DESIGN SERVICES AND SALES ENGINEERING SUPPORT

Receive professional technical sales support and advice encompassing specifications, product features, and system design solutions. Our team is dedicated to assisting you in making informed decisions tailored to your needs.

Benefit from our always free design services and sales engineering support, ensuring seamless integration and optimal performance of your systems.

EXPEDITED REPLACEMENT SERVICE

Benefit from complimentary next-day shipping for replacement units, accompanied by a convenient return label. Our next-day replacement guarantee remains valid for one year from the original date of purchase. For products exceeding one year, BZBGear provides free ground shipping for replacement items. Please note that our expedited replacement services are exclusively available for partners within the US.

FREE SHIPPING WITH SAME-DAY DISPATCH*

We are committed to efficiently and expediently delivering the products you need. All retail customers benefit from free standard ground shipping. Qualified partners enjoy complimentary ground and/or expedited shipping. Orders for in-stock items placed before 12:00 PM are eligible for same-day shipping. Please note that free shipping and same-day shipping are available exclusively to US customers.

*Applies to domestic shipping only.

COMPREHENSIVE TRAINING & SUPPORT

At BZBGear, we recognize the critical importance of knowledge and training for our products. Understanding your needs, we offer comprehensive training sessions, customizable to cover sales, product features, and system design.

Moreover, we believe in providing unlimited after-sale support free of charge to all our customers, as we pride ourselves on ensuring your success.



Learn More About BZBGear Fundamentals
at bzbgear.com/discover-bzbgear-fundamentals



bzbgear.com

1.888.499.9906

sales@bzbgear.com

support@bzbgear.com

info@bzbgear.com



2026

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