

# BG-3GSH

Mini 3G-SDI to HDMI Converter

## User Manual







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## Statement

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Please read these instructions carefully before connecting, operating, or configuring this product. Please save this manual for future reference.

## Safety Precaution

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- To prevent damaging this product, avoid heavy pressure, strong vibration, or immersion during transportation, storage, and installation.
- The housing of this product is made of organic materials. Do not expose to any liquid, gas, or solids which may corrode the shell.
- Do not expose the product to rain or moisture.
- To prevent the risk of electric shock, do not open the case. Installation and maintenance should only be carried out by qualified technicians.
- Do not use the product beyond the specified temperature, humidity, or power supply specifications.
- This product does not contain parts that can be maintained or repaired by users. Damage caused by dismantling the product without authorization from BZBGear is not covered under the warranty policy.
- Installation and use of this product must strictly comply with local electrical safety standards.



## Introduction

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The BG-3GSH converts SD-SDI, HD-SDI, and 3G-SDI signals to the more widely used HDMI interface. The unit is capable of a high bit rate of 2.970 Gbit/s and signal transmission without any loss ensuring a crystal clear 1080p@60 image for HDMI displays. For professionals this means that it is now easier to distribute and extend your 3G-SDI signal using long range SDI cables while giving you the ability to display your work on consumer grade HDMI displays using the BG-3GSH.

## Features

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- Operation at 2.970Gbit/s, 1.485Gbit/s and 270Mbits/s
- Supports SMPTE 425M, SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Conversion from SMPTE 425M Level B to Level A 1080p 50/59.94/60 4:2:2 10-bit

## Packing List

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- 1 x 3G-SDI to HDMI Converter
- 1 x 5V DC Power Supply
- 1 x User Manual

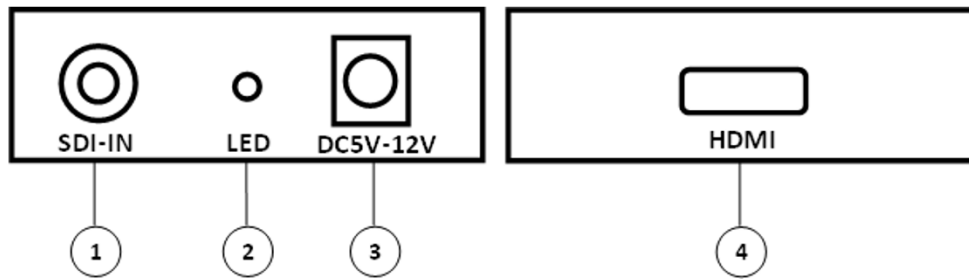


## Specifications

Input Port	1 x BNC (SDI/HD-SDI/3G-SDI)
Output Port	1 x HDMI
SDI Transmission Rates	2.970 Gbit/s and 2.970/1.001 Gbit/s
Input and Output Resolutions	480i, 576i, 720p@50/59.94,60,1080i @50/59.94/60 1080p@23.97/24/25/29.97/30/50/59.94/60
Power Supply	DC 5V -12V
ESD Protection Human Body Model	±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	80mm x 41mm x 25 mm (3.2 in x 1.6 in x 0.9 in)
Weight	150g (5.3 oz)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 ~ 90% RH (Non-condensing)
Power Consumption	5W



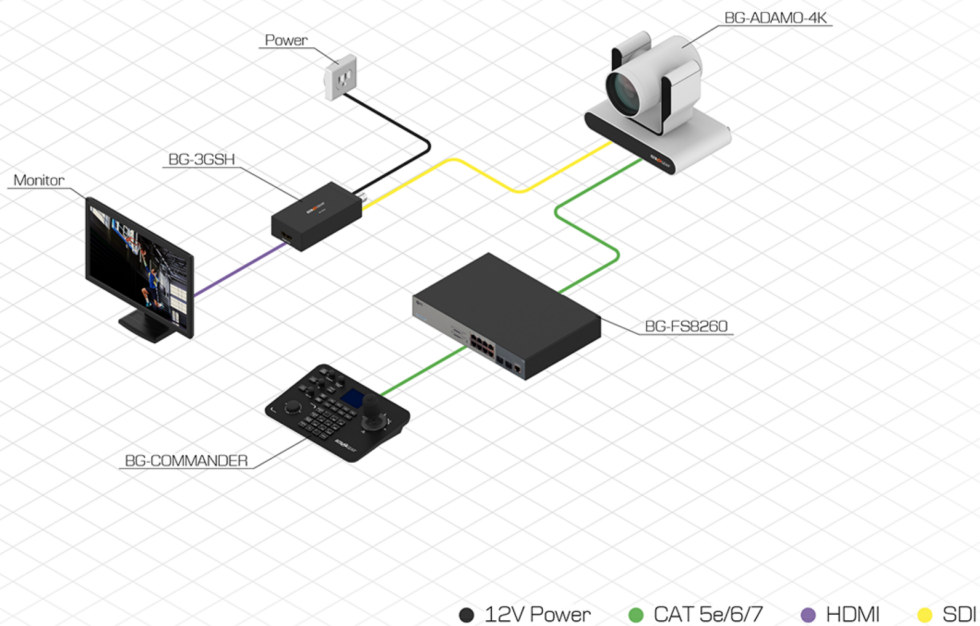
## Connection and Operation



1. **SDI IN:** Connect to a SDI source
2. **Power LED:** LED is illuminated RED when the device is connected to power.
3. **DC IN:** Power port for the included 5V DC power supply.
4. **HDMI OUT:** Connect to HDMI display or device.

## Application Example

BG-3GSH  
Connection Diagram





## Tech Support

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Have technical questions? We may have answered them already!

Please visit BZBGear's support page ([bzbgear.com/support](http://bzbgear.com/support)) for helpful information and tips regarding our products. Here you will find our Knowledge Base ([bzbgear.com/knowledge-base](http://bzbgear.com/knowledge-base)) with detailed tutorials, quick start guides, and step-by-step troubleshooting instructions. Or explore our YouTube channel, BZB TV ([youtube.com/c/BZBTVchannel](http://youtube.com/c/BZBTVchannel)), for help setting up, configuring, and other helpful how-to videos about our gear.

Need more in-depth support? Connect with one of our technical specialists directly:

<b>Phone</b>	<b>Email</b>	<b>Live Chat</b>
1.888.499.9906	support@bzbgear.com	bzbgear.com

## Warranty

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BZBGear Pro AV products and cameras come with a three-year warranty. An extended two-year warranty is available for our cameras upon registration for a total of five years.

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

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

## Mission Statement

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BZBGear is a breakthrough manufacturer of high-quality, innovative audiovisual equipment ranging from AVoIP, professional broadcasting, conferencing, home theater, to live streaming solutions. We pride ourselves on unparalleled customer support and services. Our team offers system design consultation, and highly reviewed technical support for all the products in our catalog. BZBGear delivers quality products designed with users in mind.

## Copyright

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