



## **HD VIDEO CONVERTER**

User Manual

**BF-H103**

**VGA+Audio to HDMI Converter**

Bring High-Definition to your life!

Thank you for purchasing our product. To ensure safety and many years' trouble-free operation of the product, please read the manual carefully before using this product.

### 1.0 Introduction

BAFO VGA+Audio to HDMI converter converts VGA input into HDMI to allow PC users to show their image not only on the PC's monitor, but could also on TV, to have a large display. The conversion is along with the audio. Converter offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

### 2.0 Features

BAFO VGA+Audio to HDMI converter have many features that enable them to perform in a superior manner. among those features you will find:

1. Conversion: It could convert PC's VGA video and R/L audio into complete HDMI;
2. Easy to Use: Install in seconds, no need of setting;
3. Support HDMI1.3b, HDCP1.2/1.1;
4. Support resolution: 480i/p, 576p, 720p, 1080i/p;
5. Extend the transmission distance and improve transmission signal;
6. Compatible with DVI by using HDMI to DVI adapter;
7. Metal casing design and overall shielding without signal interference.

### 3.0 Packaging accessories:

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

1. VGA to HDMI Converter----- 1Pcs
2. Audio Cable----- 1Pcs
3. 5V DC Power Adaptor----- 1Pcs
4. User Manual----- 1Pcs

### 4.0 Specifications

<b>Signal Input/Output</b>	
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Maximum Single Link Range	1600X1200, 1080P
Output Video	HDMI + HDCP1.2/1.1

VGA	640x480 60Hz 72Hz 75Hz 800x600 60Hz 72Hz 75Hz 1024x768 60Hz 70Hz 75Hz 1280x1024 60Hz 1600x1200 60Hz
DTV/HDTV	480i/576i/480p/576p/720p/1080i/1080P
<b>Operating Frequency</b>	
Frequency	Up to165MHz
Video Amplifier	1.65Gpbs/165MHz
Bandwidth	
<b>Resolutions(HDTV)</b>	
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p
<b>Mechanical</b>	
Size(LxWxH)	73x60.5x22.5mm
Weight(Net)	0.09Kg
<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Environmental</b>	
Operating Temperature	0°C to70°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to 80°C
Storage Humidity	5% to 95 % RH (no condensation)
<b>Power Requirement</b>	
External Power Supply	DC 5V 1A
<b>Regulatory Approvals</b>	
Converter Unit	CE,FCC,ROHS
Power Supply	CE,FCC,PSE,TK,UL
Accessories Adapter	
AC Power Adapter	US standard, UK standard and so on
User Manual	English Version

### 5.0 Panel introduction

Please study the panel drawings below and become familiar with the signal input(s), output(s) and power requirements.



VGA----- VGA Input  
Stereo----- Audio Input  
DC/5V----- DC Power Input

Power----- Power Indicator  
HDMI----- HDMI Output

### 6.0 Connection and operation

Before installation, please make sure all devices you wish to connect have been turned off.



1. Connect the VGA video and Stereo audio from computer to Converter.(Input cables are optional)
2. Connect the HDMI output from to the TV which has HDMI input.
3. Insert the DC side of 5V power supply into and then connect the AC side of the power supply into the wall outlet.
4. Power on the computer and TV, choose the input of TV to its HDMI channel.
5. The image does not need to be adjusted, the Converter will position it automatically, the user may adjust the horizontal position under some extreme condition.

**Attention: Insert / Extract cable gently.**

### 7.0 INSTALLATION AND PRECAUTIONS

To avoid electric shock, product damage and to protect your safety, please notice the following:

1. Please slowly plug or unplug signal cables and do not often plug,unplug, or shake them.
2. The equipment should not be placed under the sun,rain and damp or unventilated environment.
3. Liquid items should not be placed on the equipment.
4. Do not install the equipment near heat sources such as fire ,power,or other amplifiers that produce heat.
5. Do not insert the metal or other objects to the equipment in addition to connecting cables to ports.
6. Do not demolish the equipment by yourself; it should be maintained by professional maintenance staff.