

# HDMI® to VGA Adapter



This product is a low cost with high performance single port HDMI® receiver which is compliant with HDMI® 1.2a and support Analogue Video output up to UXGA and 1080P. The chip integrates Equalizer and HDMI® core engine in a single chip. Due to the feature, this Adapter is easily to transfer the HDMI® Signal from the HDMI® port on the portable device such as tablet PC, NB or mobile device such as smart phone to a VGA display with high resolution effect.

## Features

- On-chip HDMI® receiver with Equalizer
- On-chip HDMI® Receiver core which is compliant with HDMI® 1.2a specification
- Supports pixel clock rate from 25 MHz to 165 MHz
- Supports Analogue Video output up to UXGA and 1080p with an on-chip 10-bit DAC
- On-chip Audio Decoder which support 2-channel IIS and S/PDIF audio outputs
- Support audio soft mute
- Support SPDIF Channel Status extraction and overwrite. On-chip YCC422 to YCC444 conversion
- On-chip YCC to RGB and RGB to YCC conversion in ITU-R BT.601 and 709 color space
- Support Separate Sync output and Sync On Green
- Register-programmable via slave IIC interface
- Flexible interrupt registers with interrupt pin
- Link On and Valid DE Detection
- Low stand-by current at power down mode
- Support Plug and Play feature

## System Requirements

- Support full USB 3.0 speed at Windows® 7, Windows® Vista, Windows® XP and Windows® 8

## Specifications

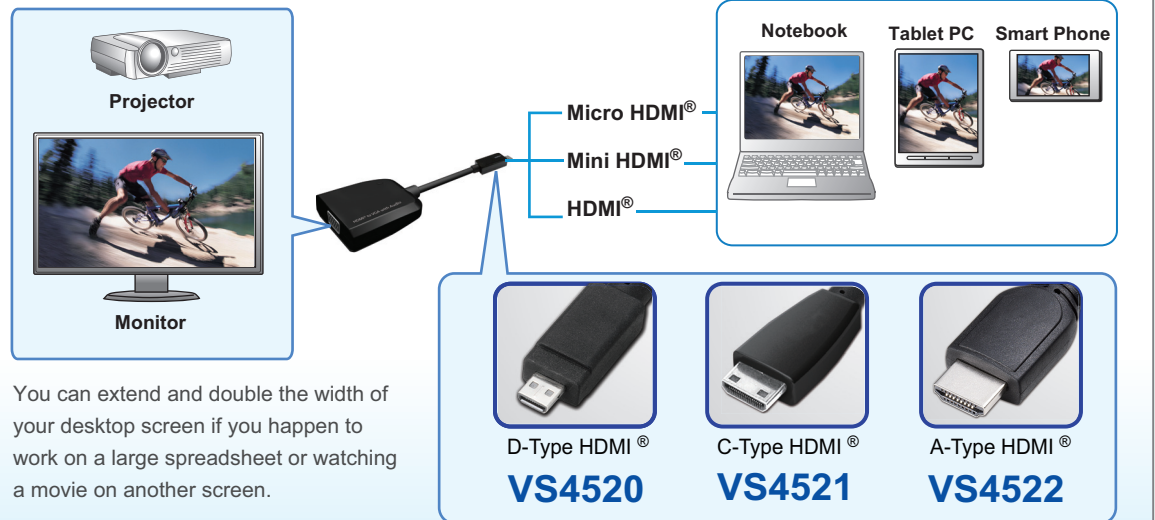
- Host interface : Micro/Mini/Standard HDMI®
- Power Mode : Bus Power only
- HDMI® input: Micro HDMI® (D-Type HDMI®)  
Mini HDMI® (C-Type HDMI®)  
Standard HDMI® (A-Type HDMI®)
- Output : VGA Connector
- OS compliance : Windows® XP, Windows® Vista, Windows® 7, and Windows® 8
- Dimension: Size (Lx W x H) : 47x45x18mm
- Weight : 45g
- Housing Material : ABS(Plastic)
- Power consumption : Maximum 1596 mW  
1920 x 1080, 1680 x 1050, 1600 x 1200, 1440 x 900  
1400 x 1050, 1280 x 1024, 1280 x 800, 1280 x 720  
1024 x 768, 800 x 600, 640 x 480

\* Specification is subject to change without further notice.

## Package Contents

- User's Manual x1
- HDMI® to VGA Adapter x1

## Application



**VS4520 (D-Type HDMI®)**  
**VS4521 (C-Type HDMI®)**  
**VS4522 (A-Type HDMI®)**

## GOOD WAY TECHNOLOGY CO., LTD.



3F, No. 135, Ln. 235, Baociao Rd., Sindian Dist., New Taipei City 231, Taiwan  
Tel: 886-2-8919-1200 Fax: 886-2-8919-1220~1  
http://www.goodway.com.tw E-mail:sales@goodway.com.tw