

# HDTV Scalar

**Any Resolution and Frame rate for your HDTV**



## Introduction

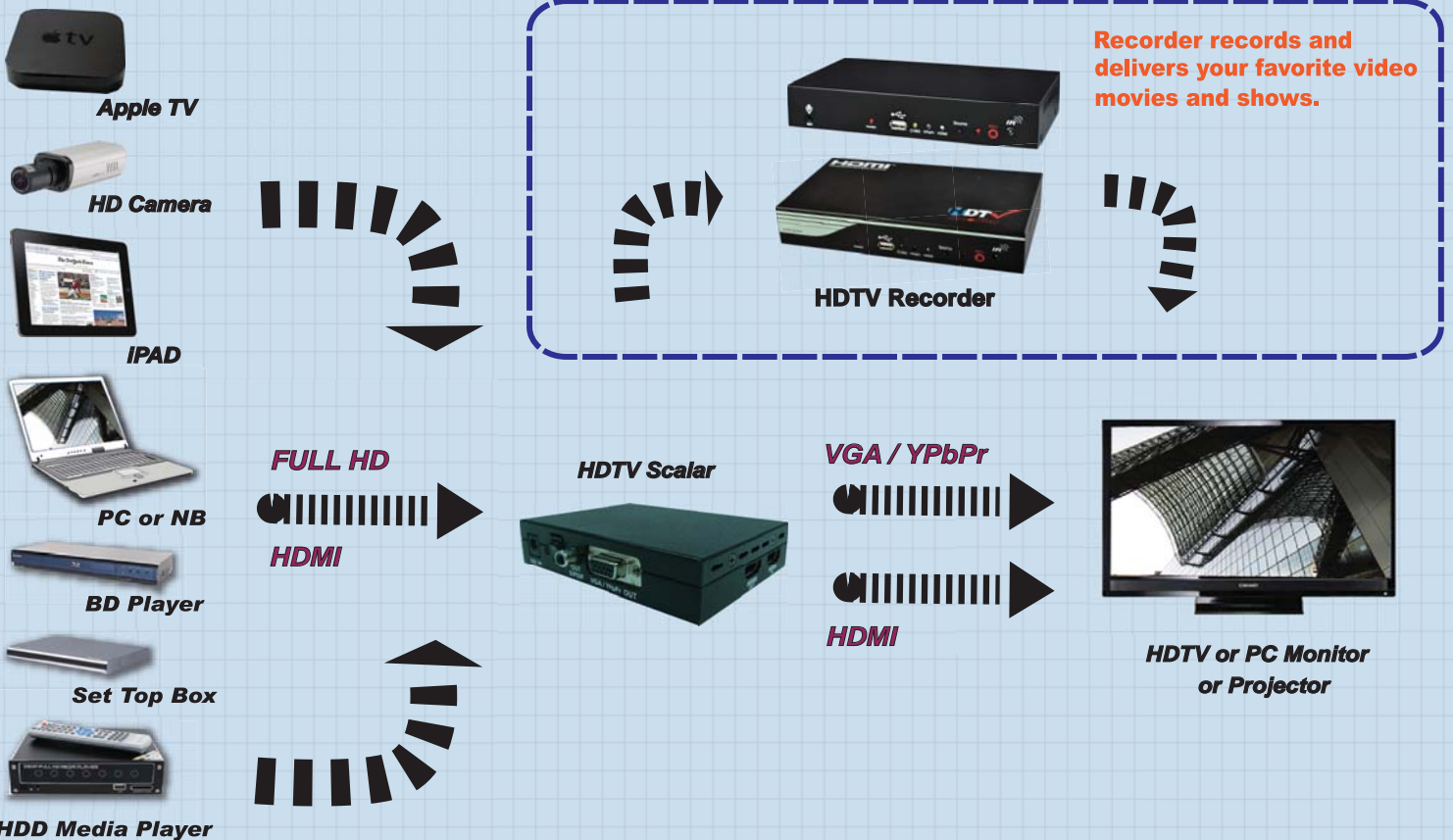
The A+V Link HDTV Scalar accepts HDMI input and converts the digital video to different resolution/frame video of digital HDMI and analog VGA/YPbPr outputs. Other than providing video scaling functions, it not only converts the digital S/PDIF audio signal from HDMI input interface to coaxial S/PDIF output but also converts the digital PCM audio data to analog RCA stereo audio output, which could be connected to an external AVR or audio amplifier. When using with the projector, the HDTV Scalar could fine-tune the video size and position to match the display screen size. By using the HDTV Scalar, you don't need to worry about your old TV, monitor or projector that is not compatible with the up-to-date HDMI interface and/or resolution/frame rate.

### Features -

- Support Apple TV/iPAD/iPhone
- Support input resolutions from VGA to WUXGA (1920x1200)
- Support input resolutions from NTSC to Full HD (1080p60)
- Support video scalar up and down
- Support HDMI to HDMI out and HDMI to VGA or YPbPr out into two display devices simultaneously
- Support mobile phones in Android system. (Need to prepare a MHL to HDMI cable)
- The 5V USB port can charge mobile phone

### More Features -

- Combined with A+V Link HDTV Recorder or AnyHD Recorder, the HDTV Scalar is a good front-end solution to solve the video resolution and frame rate issues for varises applications.



S/PDIF and VGA / YPbPr out



HDMI in and HDMI out



5V USB port



## Resolution Supported

### HDMI Input / Output

|                                   |
|-----------------------------------|
| 480i at 59.94 Hz                  |
| 480p at 59.94 Hz                  |
| 576i at 50 Hz                     |
| 576p at 50 Hz                     |
| 720p at 24/25/30/50/59.94/60 Hz   |
| 1080i at 50/59.94 Hz              |
| 1080p at 24/25/30/50/59.94/60 Hz  |
| 640 x 480 at 60/72/75 Hz          |
| 800 x 600 at 56/60/72/75 Hz       |
| 1024 x 768 at 60/70/75 Hz         |
| 1280 x 960 at 60 Hz               |
| 1280 x 1024 at 60/75 Hz           |
| 1360 x 768 at 60 Hz               |
| 1440 x 900 at 60 Hz               |
| 1600 x 1200 at 60 Hz              |
| 1920 x 1200 at 60 Hz (Input Only) |

### VGA (RGB) Output

|         |                             |
|---------|-----------------------------|
| VGA     | 640 x 480 at 60/72/75 Hz    |
| SVGA    | 800 x 600 at 56/60/72/75 Hz |
| XGA     | 1024 x 768 at 60/70/75 Hz   |
| HD      | 1280 x 720 at 60 Hz         |
| SXGA-   | 1280 x 960 at 60 Hz         |
| SXGA    | 1280 x 1024 at 60/75 Hz     |
| WXGA    | 1360 x 768 at 60 Hz         |
| WSXGA   | 1440 x 900 at 60 Hz         |
| UXGA    | 1600 x 1200 at 60 Hz        |
| FULL HD | 1920 x 1080 at 60 Hz        |

## Video ports

- Input Ports**
- 1 x HDMI input
  - Supports HDMI 1.3 and 1.4a and DVI 1.0

- Output Ports**
- 1 x VGA/YPbPr/YCbCr output
  - 1 x HDMI output

## Audio ports

- Digital Audio**
- Coaxial S/PDIF output
  - HDMI PCM output

- Analog Audio**
- Stereo L/R audio output for RGB and YPbPr/YCbCr output
  - Audio DAC supports 16/24-bit up to 192KHz sampling rate

## Other

- Power supply**
- DC IN : 12V/1A (DC Jack), or 5V/2A (USB port)
  - DC OUT : 5V/0.5A through USB port

- Temperature**
- Operating : 10 to 40 degrees C
  - Storage : -20 to 80 degrees C

### YPbPr (YUV) Output

|                         |                      |
|-------------------------|----------------------|
| 480i at 59.94 Hz        | 480p at 59.94 Hz     |
| 576i at 50 Hz           | 576p at 50 Hz        |
| 720p at 50/59.94 Hz     | 1080i at 50/59.94 Hz |
| 1080p at 24/50/59.94 Hz |                      |

## Ordering Information

| Product Name | Model Number    | Description            |
|--------------|-----------------|------------------------|
| HDTV Scalar  | TVB-8098-SYS-A1 | HDMI to HDMI/VGA/YPbPr |

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