

## Desk-top USB3.0 HD Frame Grabber with Image View and Capture software

Product No. OP-006 310



Capture and play back of Full HD uncompressed video via USB3.0. Plug this external Frame Grabber to your PC or Laptop and capture the live image in Full HD digital format in your Optilia OptiPix software. This frame grabber powers from the USB 3.0 connection and is fully DirectShow™ and QuickTime™ compatible.

### Specification:

#### Standards

|                       |  |
|-----------------------|--|
| HD Format Support     | 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 720p50, 720p59.94 and 720p60. |
| SD Format Support     | 625i/50, 625p PAL and 525i/59.94, 525p NTSC, 480p.   |
| HDMI Video Sampling   | 4:2:2  |
| HDMI Audio Sampling   | Television standard sample rate of 48 kHz and 24 bit.  |
| HDMI Colour Space     | YUV 4:2:2  |
| HDMI Colour Precision | 4:2:2  |

#### Processing

|                         |   |
|-------------------------|---|
| Colour space Conversion | Hardware based real time.   |
| HD Down Conversion      | Software based down conversion during video playback.                   |
| HD Up Conversion        | Real time standard definition to 1080HD and 720HD during video capture. |

#### Connections

|                        |   |
|------------------------|---|
| Analogue Audio Input   | 2 Channel RCA HiFi audio in 24 bit.   |
| Analogue Audio Output  | 2 Channel RCA HiFi audio in 24 bit.   |
| Analogue Video Input   | Independent connections for component and composite and s-video.                      |
| Analogue Video Output  | Independent connections for component and composite and s-video.                      |
| HDMI Video Input       | 1 x HDMI type A connector   |
| HDMI Video Output      | 1 x HDMI type A connector   |
| HDMI Audio Input       | 8 Channels.   |
| HDMI Audio Output      | 8 Channels.   |
| Dual Rate support      | HDMI and Analogue Component switches between high definition and standard definition. |
| Supported HDMI Formats | 525 NTSC, 625 PAL, 720HD and 1080HD switchable.                                       |
| Computer Interface     | USB 3.0   |

## System requirement for Windows™:

Operating System: Windows 7 64-bit

Memory: At least 4 GB of RAM for both SD and

Recommended Computers: These computer systems have been tested in house with the HD-Frame Grabber:

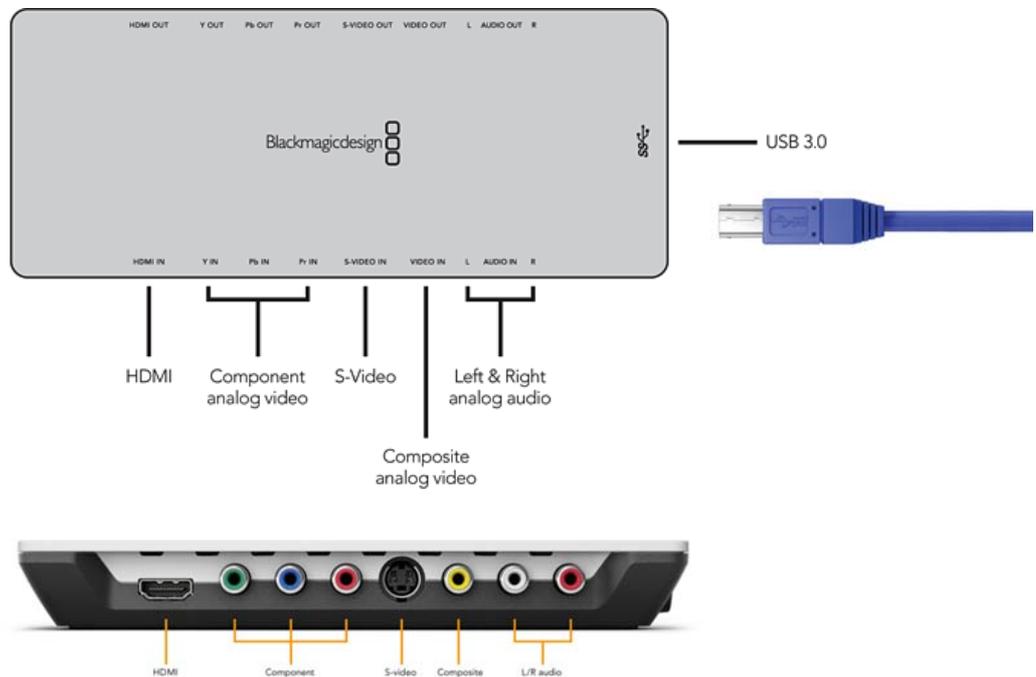
PC: HP Pro 35xx MT Win7P  
HP 8300 ELITE CMT CI5 3.2 4GB/500 W7P  
Hewlett Packard Z400, W7P  
Hewlett Packard Z800, W7P

Mini PC: Fujitsu ESPRIMO Q910, Intel Core i5-3470T, W7P

Laptop: HP ProBook, Intel i5 15.6" HD or 17.3" HD+ W7P  
HP ELITEBOOK, i5 15.6" HD+ W7P  
MSI GE60, Intel i5 15.6" Full HD (1920x1080) W7P  
MSI GE620, Intel i7, 15.6" Full HD (1920x1080) W7P

Dell computers are not supported for use with this Frame Grabber.  
For Mac OS X™ system requirement please contact Optilia.

## Connection diagram:



## Outputs:

Included items when you purchase OP-006 310:

1. Desktop USB3.0 HD Frame Grabber
2. USB3.0 cable.
3. OptiPix Lite, image view, capture and on-screen measurement software (Only for Microsoft Windows™)
4. Installation CD and instructions manual



Professional Video Standards