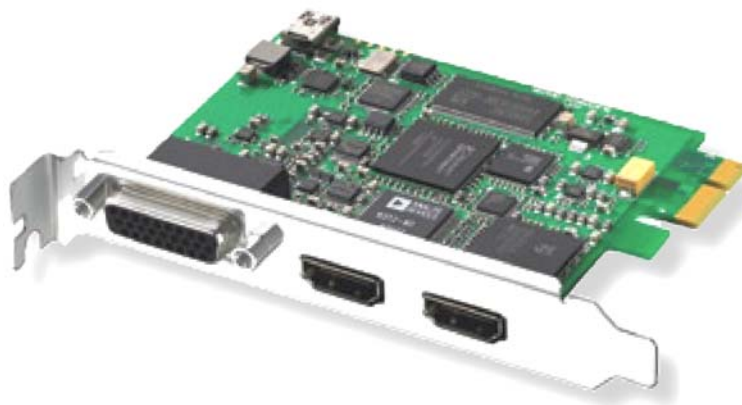# Analogue HD Frame Grabber with Image View and Capture software
Product No. OP-006 309

Capture and play back of Full HD uncompressed video. Plug this Frame Grabber into your PC and capture the uncompressed live image in Full HD digital format in your Optilia OptiPix software. This frame grabber 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 PAL and 525i/59.94 NTSC.
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	Component, NTSC, PAL or S-Video.
Analogue Video Output	Component, NTSC, PAL or S-Video.
HDMI Video Input	1 x HDMI type A connector
HDMI Video Output	1 x HDMI type A connector
HDMI Audio Input	2 Channels.
HDMI Audio Output	2 Channels.
SPDIF Audio Output	2 Channel 24 bit.
Dual Rate support	HDMI and Analogue Component switches between HD and SD.
Supported HDMI Formats	525 NTSC, 625 PAL, 720HD and 1080HD switchable.
Computer Interface	PCI Express 1 lane, compatible with 1, 4, 8 and 16 lane PCIe slots.

System requirement for Windows[TM]:

Operating System:
: Windows 7 32-bit , Windows 7 64-bit
Microsoft Windows XP Professional with Service Pack 3.
Microsoft Windows XP Professional x64 Edition with Service Pack 2.

Memory:
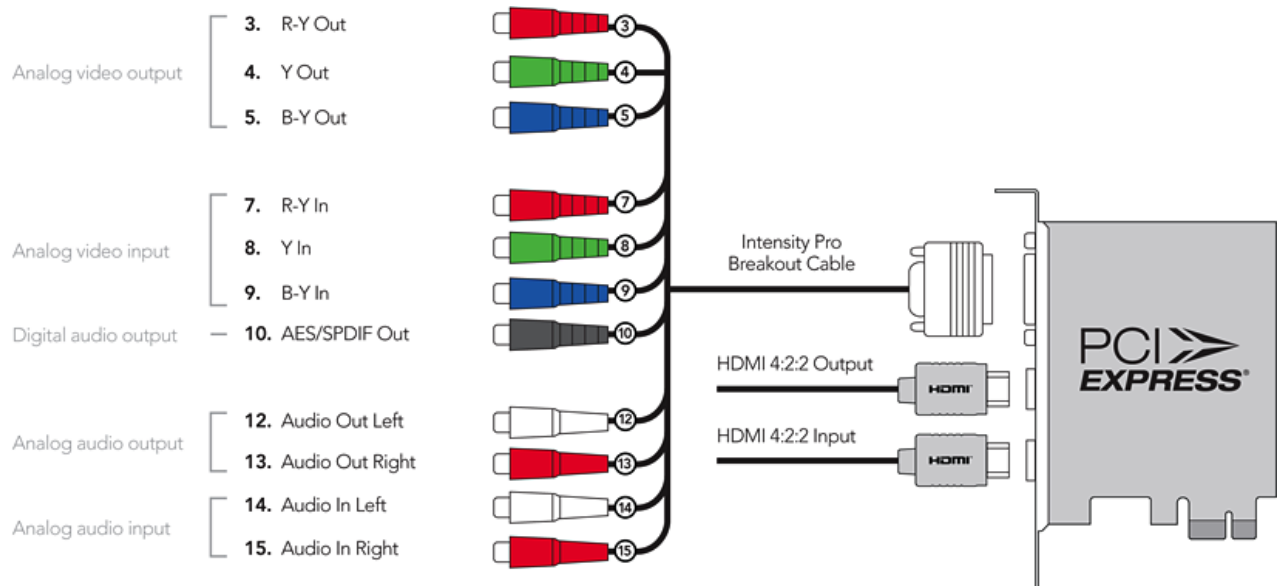: At least 2 GB of RAM for both SD and HD for Windows XP Professional.

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

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

Motherboards:
: Asus P6X58D-Premium
Asus P6X58D-E
Gigabyte GA-X58A-UD7
Gigabyte GA-X58A-UD5
Gigabyte G1.Sniper (rev. 1.0)

Recommended Graphics Cards:
: PCIe x16:
ATI Radeon HD 4650
ATI Radeon HD 4670
nVidia GeForce 9800 GT
nVidia GeForce GTS 250

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

Included items when you purchase OP-006 309:

1. PCI Express capture card
2. Breakout Cable (Analog video and audio connections)
3. OptiPix Lite, image view, capture and on-screen measurement software (Only for Microsoft Windows[TM])
4. Installation CD and instructions manual

Professional Video Standards