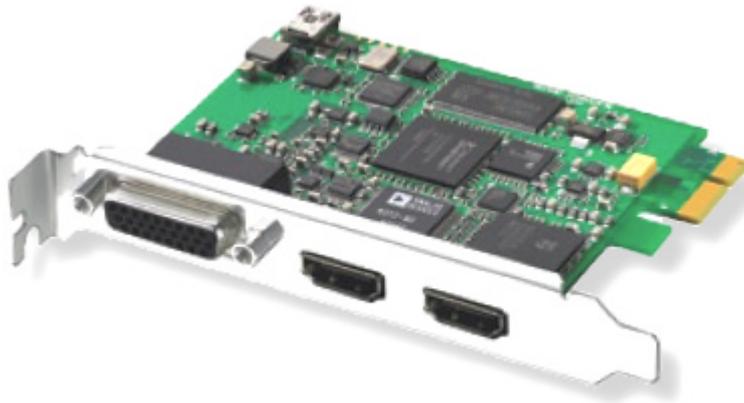# Analogue HD Frame Grabber with Image View and Capture software
Product No. OP-006 309

Capture and play back of Full HD uncompressed video. Plug this PCI express card into Windows™ or Mac OS X™ computers and use your favorite software, including Optilia AMCap, Optilia Picsara, Photoshop, Fusion™ and many more. This frame grabber is fully DirectShow™ and QuickTime™ compatible, which adds HD video capture and playback ability to your computer. Instantly switch between HD and SD video standards including HDTV 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, NTSC and PAL.
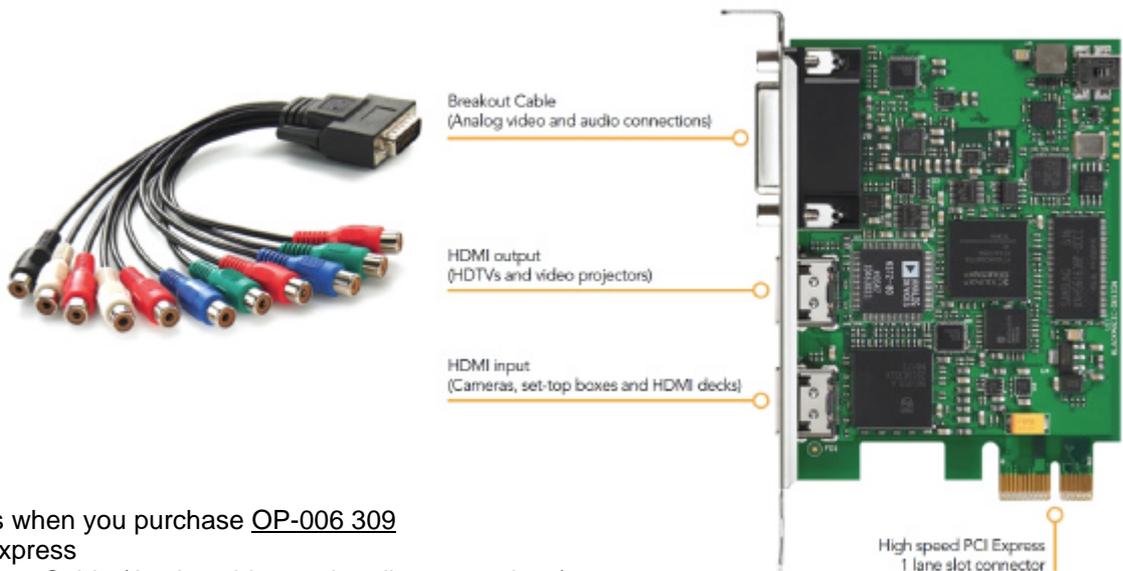
Specification:

Card type	• PCI Express 1 lane, compatible with 1,4,8 and 16 lane PCIe slots. 1080i50, 1080i59.94, 720p50 and 720p59.94. 625/25 PAL and 525/29.97 NTSC. 4:2:2.
HD Format Support	• 4:2:2.
SD Format Support	• YUV 4:2:2.
HDMI Video Sampling	• Television standard sample rate of 48 kHz and 24 bit.
HDMI Color Precision	• 2 Channels.
HDMI Color Space	• 2 Channels.
HDMI Audio Sampling	• HD Component, NTSC, PAL or S-Video. HD Component, NTSC, PAL or S-Video. 2 Channel RCA HiFi audio in 24 bit. 2 Channel RCA HiFi audio in 24 bit. 2 Channel 24 bit.
HDMI Audio Input	• HDMI and Analogue Component switches between high definition and
HDMI Audio Output	• Realtime 1080HD and 720HD to standard definition during video playback. Realtime standard definition to 1 080HD and 720HD during video capture
Analog Video Input	• PCI Express 1 lane, compatible with 1,4,8 and 16 lane PCIe slots. 1080i50, 1080i59.94, 720p50 and 720p59.94. 625/25 PAL and 525/29.97 NTSC. 4:2:2.
Analog Video Output	• 4:2:2.
Analog Audio Input	• YUV 4:2:2.
Analog Audio Output	• Television standard sample rate of 48 kHz and 24 bit.
SPDIF Audio Output	• 2 Channels.
Dual Rate support	• 2 Channels.
HD Down Conversion	• HD Component, NTSC, PAL or S-Video. HD Component, NTSC, PAL or S-Video. 2 Channel RCA HiFi audio in 24 bit. 2 Channel RCA HiFi audio in 24 bit. 2 Channel 24 bit.

System requirement for Windows™:

Operating System:	Microsoft Windows XP Professional with Service Pack 3.
Microsoft Windows XP Professional x64 Edition with Service Pack 2.
Microsoft Windows Vista Ultimate 32-bit with Service Pack 1
Microsoft Windows Vista Ultimate 64-bit with Service Pack 1
Windows 7 32-bit , Windows 7 64-bit
Memory:	At least 2 GB of RAM for both SD and HD for Windows XP Professional.
At least 4 GB of RAM for both SD and HD for Windows Vista.
Recommended Computers:	These computer systems have been tested in house with the HD-Frame Grabber:

Hewlett Packard Z400
Hewlett Packard Z600
Hewlett Packard Z800
Hewlett Packard xw8200
Hewlett Packard xw8600
Hewlett Packard xw9300 |
| Recommended Motherboards: | Asus P5E , Asus P5B
Gigabyte EP45-DS3 , Gigabyte x48DQ6
Intel D975XBX
Tyan Thunder K8WE (S2895)
XFX 790i Ultra
Dell systems are not supported. |
| Recommended Graphics Cards: | PCIe x16:
ATI FireGL Series
ATI Radeon 45X Series
nVIDIA Gforce 9x series
nVIDIA Quadro FX series |

For Mac OS X™ system requirement please contact Optilia.

Breakout Cable
(Analog video and audio connections)

HDMI output
(HDTVs and video projectors)

HDMI input
(Cameras, set-top boxes and HDMI decks)

High speed PCI Express
1 lane slot connector

Included items when you purchase OP-006 309
1. PCI Express
2. Breakout Cable (Analog video and audio connections)
3. Optilia AMCap Image Viewing & Capture software
4. Installation CD and instructions manual

SD
HD
Professional Video Standards