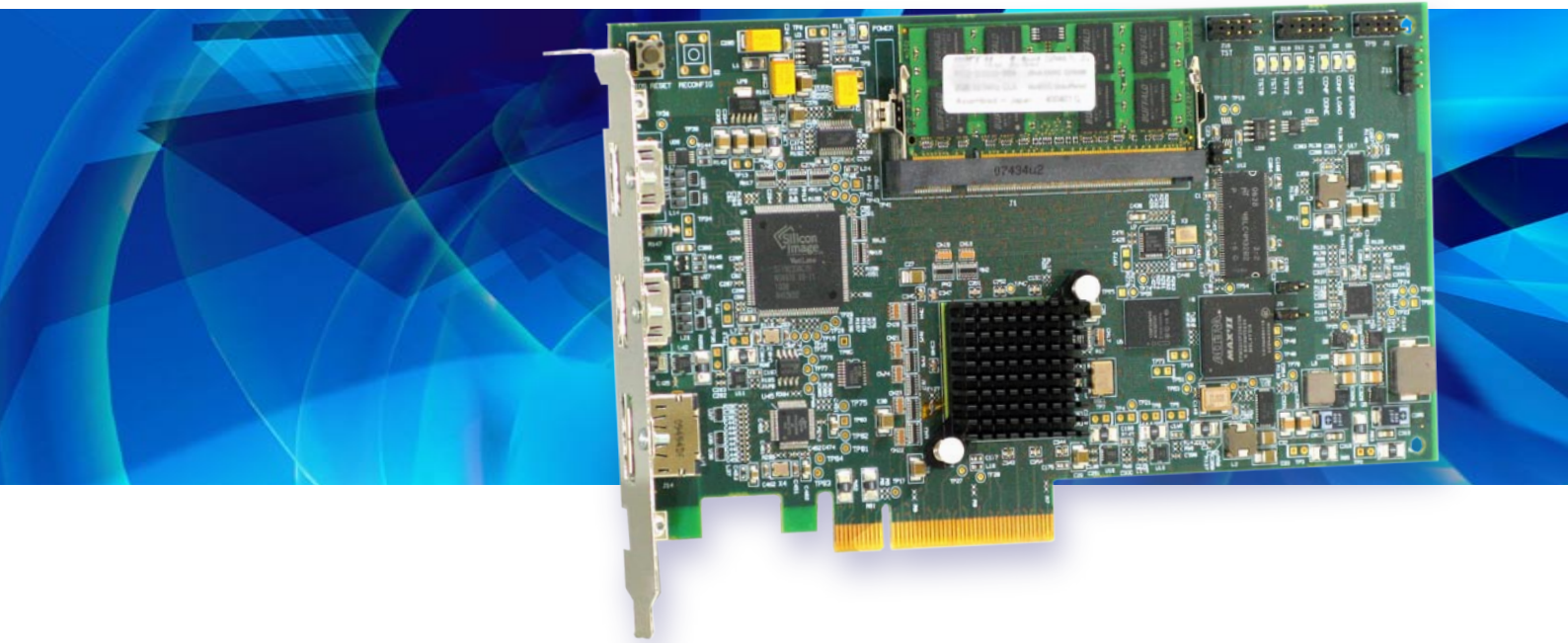


UFG-06 Nopea

Full Frame Rate
HDMI and DP capture board



Amazing Capture Speed

The practically limitless speed of *UFG-06 Nopea* capture board enables your full creativity with video and audio design. You can now concentrate on your main task – there are no capturing bottlenecks effecting your work. With full compatibility to any HDMI 1.4 and DisplayPort™ source up to 1920x1080p60 or 1920x1200p60 (RB), video and audio contents will be captured frame by frame with the original speed.

Crystal Clear Video and Audio

The high native capture rate means that your material will be transferred to the PC without any dropped frames or compression. Both of these advantages ensure that captured stream is as close to the original as possible. Any dropped frames will make the streamed video unnecessarily fuzzy and compromise your high quality material.

Compatible with DirectShow

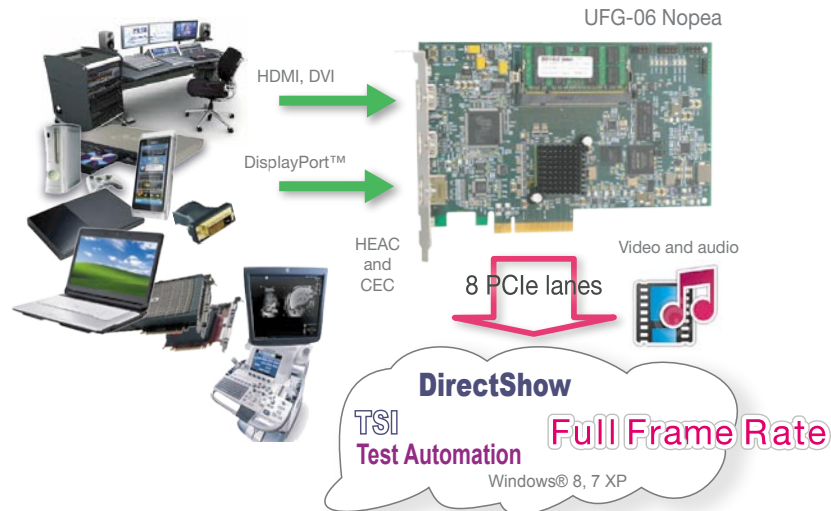
With full DirectShow support *UFG-06 Nopea* can be used with any compatible Windows 8, 7, Vista or XP streaming application. All powerful features of the board are readily available.

Highlights

- Full Frame Rate capturing up to 1920x1200p60 (RB)
- Full HDMI 1.4 Deep Color capture with 3D support
- Video and audio capture with DirectShow or TSI test applications
- Supports HDMI Ethernet Channel, CEC and Audio Return Channel
- TSI test library with predefined test functions
- 8-lane PCIe bus, over 1.2 GB/s

UFG-06 Nopea

Full Frame Rate HDMI and DP capture board



Unigraf UFG-06 Nopea

UFG-06 Nopea HDMI and DP capture board is designed with the latest technology and without compromises. It enables the amazing speed of a 8-lane PCI Express bus. It can provide a dropless capturing experience even with Full HD 1080p60 and WUXGA 1920x1200. The extremely fast scatter-gather DMA interface helps the PC to process the data without bottlenecks.

Video and Audio Capture

UFG-06 Nopea is compatible with all digital color formats both with RGB and YCbCr. Color depths up to 36 bits per pixel including Deep Color are supported. The HDMI input supports also the extended gamut xvYCC color space. The DirectShow driver provides both the video and audio contents to the client application.

Ideal Match to a Powerful PC

With a fast multicore PC and high speed high capacity storage media, UFG-06 Nopea capture board will be the heart of your high quality capturing platform. Please contact Unigraf for guidance about selecting suitable PC components.

Test Automation

UFG-06 Nopea provides an affordable platform for testing HDMI Source Devices. Unigraf TSI test software with UFG-06 provide features that make the implementation of automatic tests straightforward.

Specifications

Inputs	Selectable between 2 HDMI and 1 DP
HDMI Input	2 x HDMI Type A connectors Silicon Image SiI9233A receiver 225 MHz max TMDS clock. CEC and HEAC supported.
DisplayPort Input	1 x DP connector Parade Technologies PS161 DisplayPort™ to HDMI converter up to 165 Mpps
Color Spaces	RGB, YCbCr and xvYCC
Capture Pixel Depth	18, 24, 30 or 36 bpp, Deep Color
Resolutions	Automatically detect all VESA DMT/CVT and CEA 861-E timings up to 1080p60 and 1920x1200p60 (RB).
3D Formats	Frame packing (p/i), Side-by-Side (h/f), Top-and-Bottom, L + Depth
Audio	Available through DirectShow and TSI. Test signal output on HDMI Audio Return Channel
Data Interface	8-lane PCIe w scatter-gather DMA. Over 1.2 GB/s bus transfer speed
Operating Systems	Windows® 8, 7, Vista or XP (32/64)
Module Size	107 x 190 mm
Power Consumption	10.0 W

All specifications subject to change without notice.

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