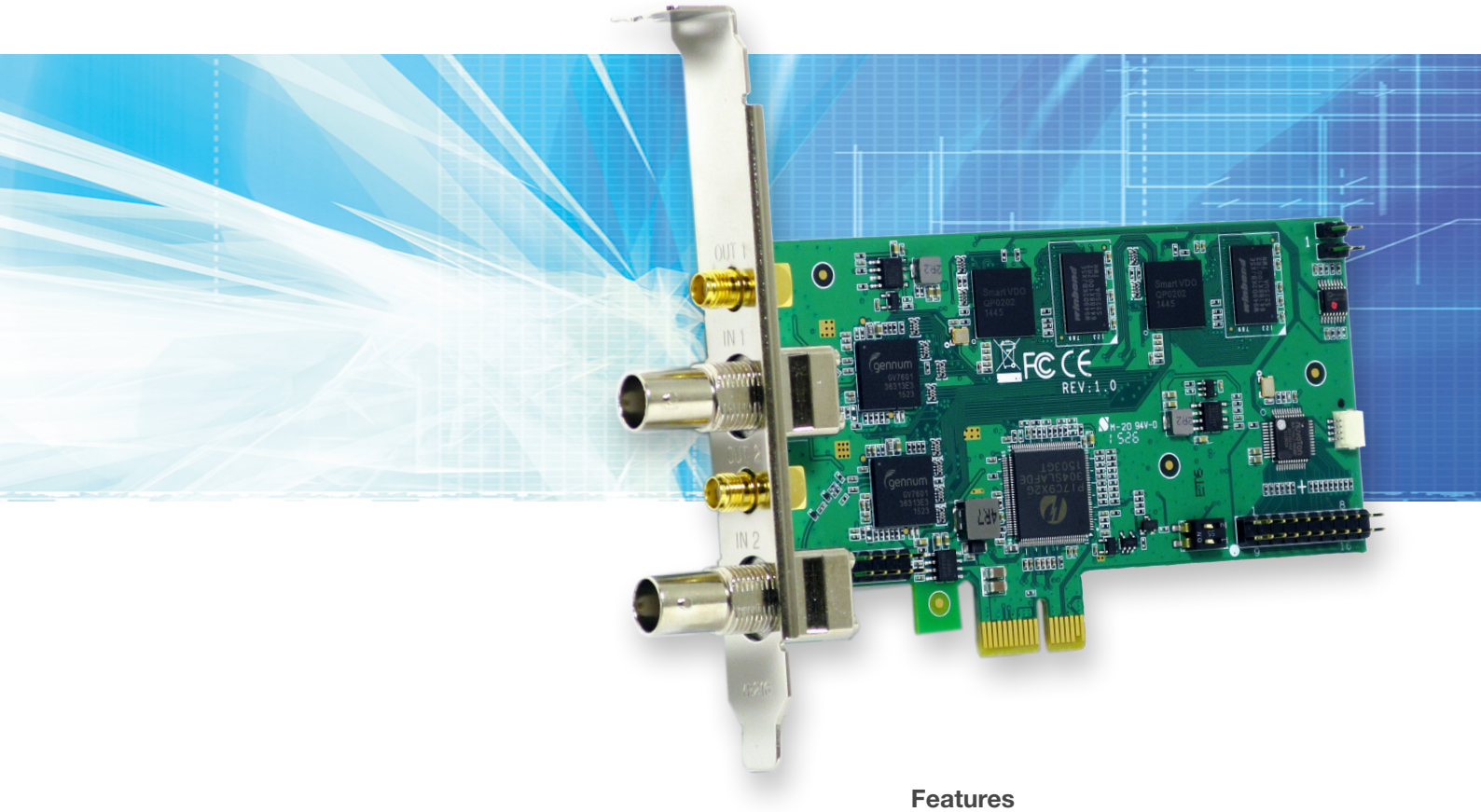
UFG-12 2S

2-input SDI capture board with signal pass through



Video and Audio Capture

UFG-12 Series is a modern PCIe bus based frame grabber family that captures both video and audio. UFG-12 family is compatible with standard DirectShow and V4L2 applications and the included SDK enables easy integration with customer own program in Windows environment. The efficient PCIe bus enables the high data throughput needed to capture crystal clear high resolution video. Application areas for the UFG-12 Series can be found in medical, industrial, multimedia or in maritime environment.

Two SDI Inputs with Pass Through

UFG-12 2S low profile frame grabber features two (2) independent SDI inputs. They enable simultaneous capture of the video and audio of two SDI streams. This makes UFG-12 2S an optimal choice for compact sized Media storage PCs where the use of PCIe slots needs to be optimal.

Features

- 2 parallel SDI capture channels
- SDI signal pass through
- Low profile board
- 1920x1080 Full HD at 50/60 fps
- Capture both video and audio
- DirectShow for Windows
- SDK for easy integration

Preliminary

UNIGRAF

09/2017

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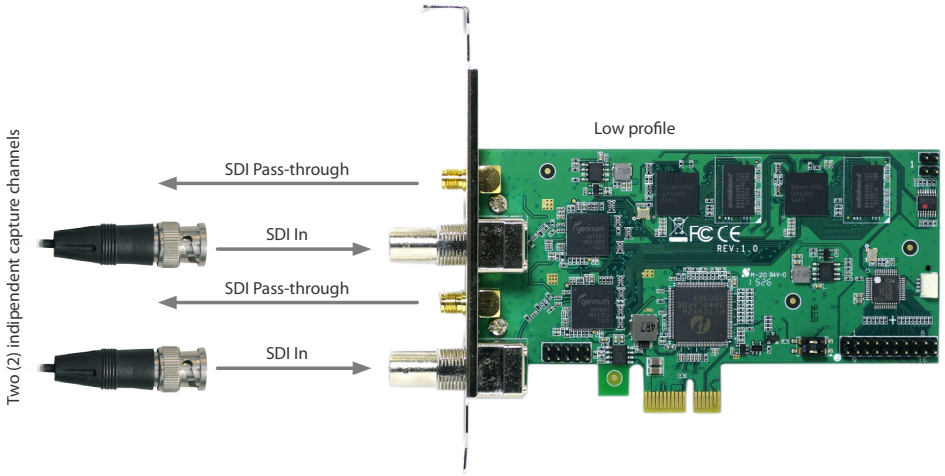

Unigraf UFG-12 Series

UFG-12 Series is a modern all-in-one capture board family that is a direct continuation to UFG-10 series. It features five family members. The family features all popular interfaces from RGB to HDMI and SDI. UFG-12 boards can be used with either Windows and DirectShow or Linux and V4L2.

Five Family Members

The two models with a combination of five video and three audio inputs are optimal for media concentrators. **UFG-12 M** is for applications that need RAW capture and **UFG-12 MC** for applications gaining of HW compression.

The other three family members are **UFG-12 4H** with four parallel HDMI inputs, **UFG-12** with two parallel SDI input and **UFG-12 HDMI 4K** with one HDMI 2.0 input.

Unigraf is a Reliable Choice

Unigraf's wide selection of frame grabber boards have gained their reputation in applications where the quality and reliability cannot be compromised. The same expectations apply also to Unigraf's whole operation from design to customer support.

Specifications

Inputs	2 × SDI on BNC connector
Outputs	2 × SDI pass-through on SMA connector
Input Resolution	720×576i50 to 1920×1080p60
Color Coding	YUY2 / YV12 / NV12 / RGB24 / RGB32
Resolutions	Automatically detect supported modes
Audio	2 × SDI Embedded audio, LPCM, 2 channels, 16 bits, 32 to 48 kHz
Support API	DirectShow, V4L2, FFmpeg, gstreamer
Support Language	C++, C#, .NET, Visual Basic, Qt, Delphi
Bus Interface	PCIe x1 (Gen2)
Operating Systems	Windows® 10, 8.1, 8, 7 (64/32) Linux 2.6.14 or higher 64 / 32 bit drivers
Module Size	122 × 69 mm

All specifications subject to change without notice.

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www.unigraf.fi, www.unigraf-china.cn

UNIGRAF OY Piispantilankuja 4, FI-02240 Espoo, Finland
Tel +358 9 859 550, info@unigraf.fi

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