

SDI PCIe Karten

Blackmagic DeckLink DUO2

Benötigt 4 PCIe Lanes.

Meist wird für HD Auflösungen eine eine Blackmagic DUO2 SDI - 4-Port Karte verwendet. Die Karte kostet ca. 500 Franken.

Preis-Leistung ist sehr gut, die neuen DUO2 werden im Gegensatz zu den alten Karten auch nicht mehr so heiss. Die Karte unterstützt HD bis 1080/60p und hat 4 Ports, diese können von vMix aus als

Connections

SDI Video Inputs

4 x bidirectional 12-bit SD/HD independently configurable as either Input or Output.

SDI Video Outputs

4 x bidirectional 12-bit SD/HD independently configurable as either Input or Output.

SDI Audio Inputs

16 channels embedded in SD and HD.

SDI Audio Outputs

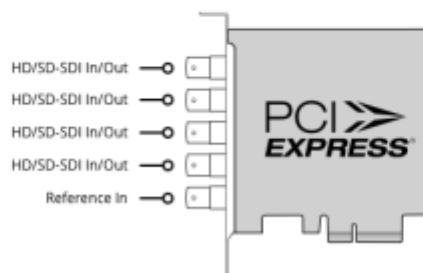
16 channels embedded in SD and HD.

Sync Input

Tri-Sync or Black Burst.

Computer Interface

PCI Express 4 lane generation 2, compatible with 4, 8 and 16 lane PCI Express slots.



Ein- oder Ausgang geschaltet werden.

Anschlussdiagramm

First, set your options in **Windows** Control Panel, Blackmagic Desktop Video Setup

DeckLink Duo (1)

DeckLink Duo 2

Video Output Conversions **Connectors** About

General

Default video standard: 1080i50

When paused: ☐ Display a full frame on video output
☒ Display a single field on video output

Video playback: ☒ Displays black output when not playing
☐ Displays freeze frame when not playing

During capture: ☐ Video output displays playback video
☒ Video output displays input video

SDI Output

Color space: ☐ Video is converted to RGB 4:4:4
☒ Video is converted to Y, Cb, Cr 4:2:2

3G-SDI formats: ☐ Are output as SMPTE Level A

Second, in TAB **Connectors** you choose single (SDI1)
OR FILL & KEY (SDI1 & SDI2)

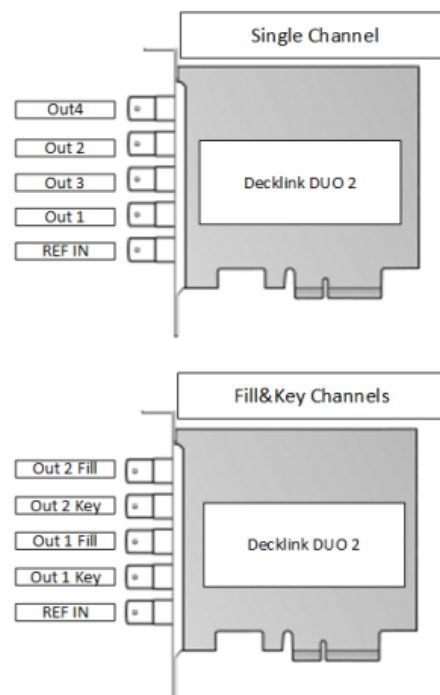
DeckLink Duo (1)

DeckLink Duo 2

Video Output Conversions **Connectors** About

Connector Mapping

Connector: SDI 1 & SDI 2



Decklink Duo2 is bidirectional

Any connector can be IN or OUT (not the Reference IN)

You also can set SDI1 +2 as Fill and Key and Out 3 and Out 4 as single or any possible combination.

vMix overwrites the Video Standard, but not the Connectors setting

Blackmagic DeckLink 8K Pro

Benötigt 8 PCE Lanes.

Praktisch genau gleiche Bauweise wie die DUO2 aber mit 4x 12G UHD Ports, könnte mit Quadlink sogar als 1x8K Karte verwendet werden.

Connections

SDI Video Inputs

4 x bi-directional 12Gb/s SD/HD/2K/4K/8K.
Supports single, dual link and quad link 4:2:2/4:4:4.
2D/3D switchable.

SDI Video Outputs

4 x bi-directional 12Gb/s SD/HD/2K/4K/8K.
Supports single, dual link and quad link 4:2:2/4:4:4.
2D/3D switchable.

SDI Audio Inputs

16 Channels embedded in SD/HD/2K.
64 Channels embedded in 4K/8K.

SDI Audio Outputs

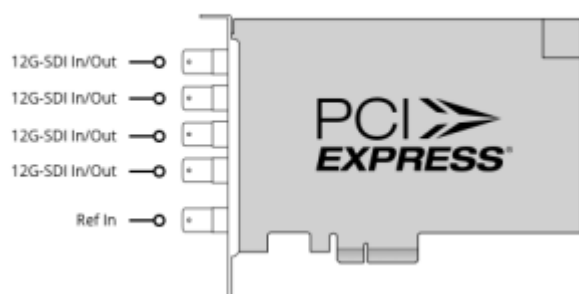
16 Channels embedded in SD/HD/2K.
64 Channels embedded in 4K/8K.

Sync Input

Tri-Sync or Black Burst.

Computer Interface

PCI Express 8 lane generation 3, compatible with
8 and 16 lane PCI Express slots.



Blackmagic DeckLink 4K Extreme 12G

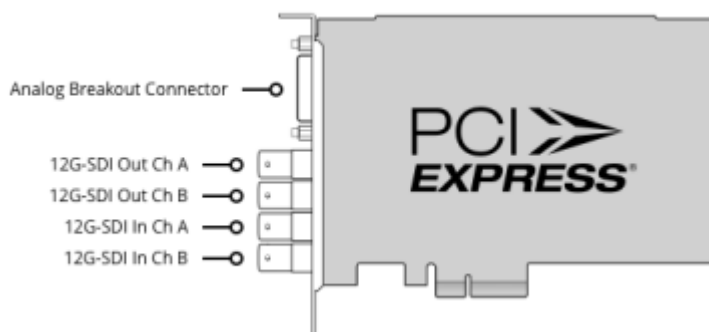
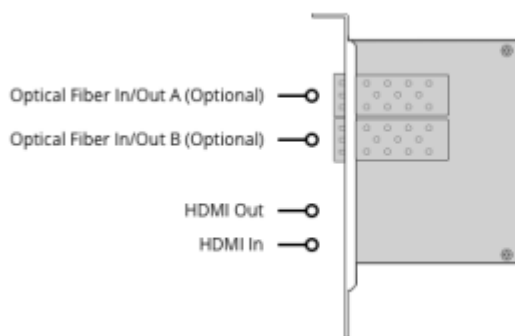
Benötigt 8 PCE Lanes.

Für 4K Auflösungen. Capture-Karte mit 4K Eingang und -Ausgang über 12G-SDI bis UHD 60p! Die Karte kostet ca. 900 Franken.

SDI: 1x Fill und Key IN. 1 x Fill und Key OUT

ODER

HDMI: 1 x IN. ix OUT



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