

SDI PCIe Karten

Blackmagic DeckLink DUO2

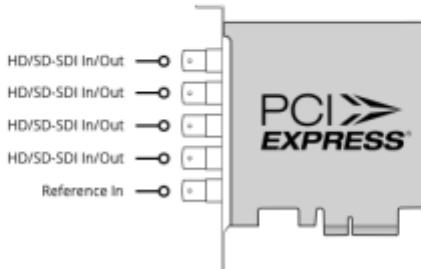
Benötigt 4 PCe Lanes.

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	SDI Audio Outputs
4 x bidirectional 12-bit SD/HD independently configurable as either Input or Output.	16 channels embedded in SD and HD.
SDI Video Outputs	Sync Input
4 x bidirectional 12-bit SD/HD independently configurable as either Input or Output.	Tri-Sync or Black Burst.
SDI Audio Inputs	Computer Interface
16 channels embedded in SD and HD.	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: **1080p50**

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

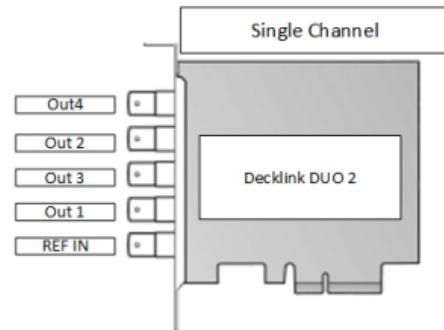
Video output displays input video

SDI Output

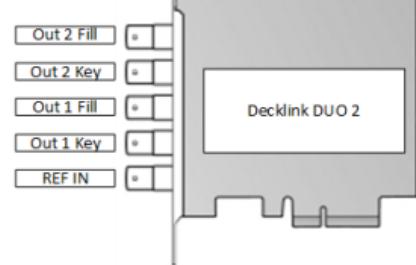
Color space: Video is converted to RGB 4:4:4

Video is converted to Y, Cb, Cr 4:2:2

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



Fill&Key Channels



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

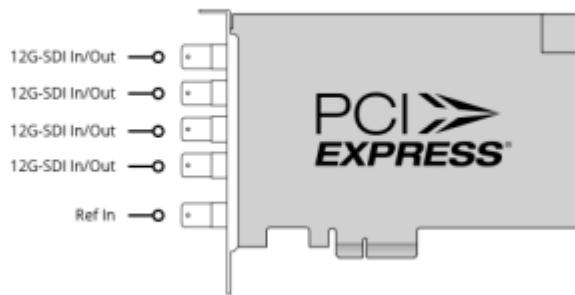
Blackmagic DeckLink 8K Pro

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	SDI Audio Outputs
4 x bi-directional 12Gb/s SD/HD/2K/4K/8K.	16 Channels embedded in SD/HD/2K.
Supports single, dual link and quad link 4:2:2/4:4:4.	64 Channels embedded in 4K/8K.
2D/3D switchable.	
SDI Video Outputs	Sync Input
4 x bi-directional 12Gb/s SD/HD/2K/4K/8K.	Tri-Sync or Black Burst.
Supports single, dual link and quad link 4:2:2/4:4:4.	
2D/3D switchable.	
SDI Audio Inputs	Computer Interface
16 Channels embedded in SD/HD/2K.	PCI Express 8 lane generation 3, compatible with
64 Channels embedded in 4K/8K.	8 and 16 lane PCI Express slots.



Blackmagic DeckLink 4K Extreme 12G

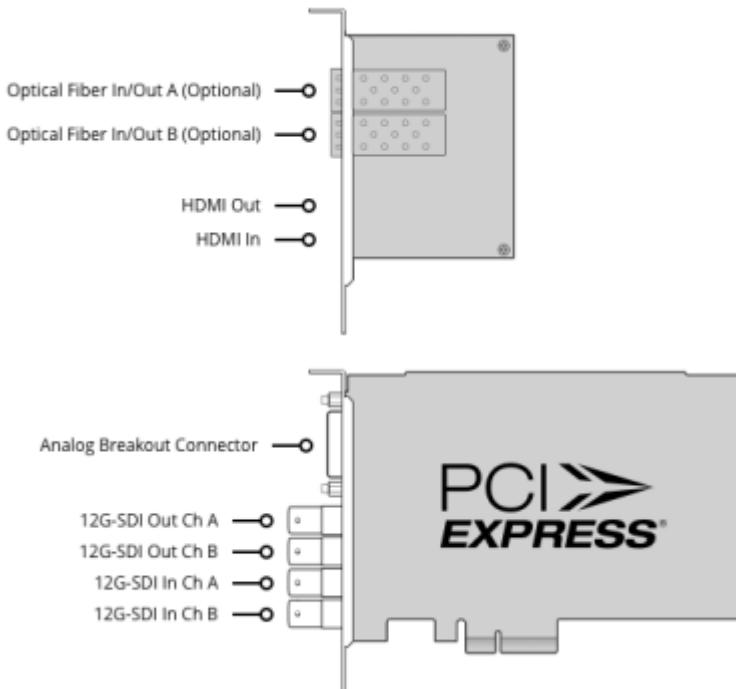
Benötigt 8 PCe Lanes.

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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