

DeckLink IP HD Optical



\$345

DeckLink IP HD Optical features 3 channels of video capture and 3 channels of video playback to 2110 IP broadcast systems via an SFP based optical fiber Ethernet connection. It is designed to work with the highest quality video with support for capture and playback to popular video formats such as Apple ProRes, DNxHD or even 10-bit uncompressed. DeckLink IP connections are multi rate so they support 525i, 625i, 720p, 1080i and 1080p video standards up to 1080p60.

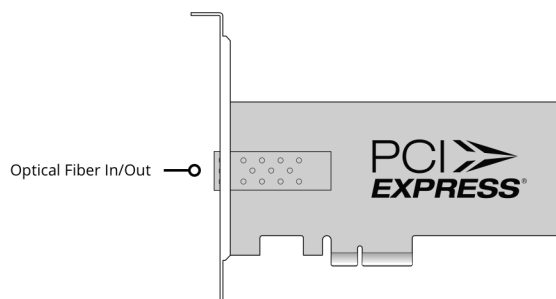
Connections

10G Optical Fiber SFP+ Port

1 x 10GBASE-LR
Supports 3 input channels and 3 output channels, each up to 1080p60 with 16 audio channels.

Computer Interface

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



Supported Codecs

AVC-Intra, AVCHD, Canon XF MPEG2,
Digital SLR, DV-NTSC, DV-PAL,
DVCPRO50, DVCPROHD, DPX, HDV,
HEVC, XDCAM EX, XDCAM HD,
XDCAM HD422, DNxHR & DNxHD,
Apple ProRes 4444,
Apple ProRes 422 HQ,
Apple ProRes 422, Apple ProRes LT,
Apple ProRes 422 Proxy,
Uncompressed 8-bit 4:2:2,
Uncompressed 10-bit 4:2:2,
Uncompressed 10-bit 4:4:4

Software

Software Included

Media Express, Disk Speed Test,
LiveKey, Blackmagic Desktop Video
Utility and Blackmagic driver on Mac
OS and Windows. Media Express,
Blackmagic Desktop Video Utility and
Blackmagic driver on Linux.

Internal Software Upgrade

Firmware built into software driver.
Loaded at system start or via
updater software.

Physical Installation

PCI Express 4 lane generation 2,
compatible with 4 and 8 lane PCI
Express slots on Mac OS, Windows
and Linux. Mac OS systems require
a Mac Pro computer with PCI Express
slots. Please check the Support pages
to see the full system requirements.

Software Applications



DaVinci Resolve



Fusion



Final Cut Pro



Adobe Premiere Pro



Avid Media Composer



Adobe After Effects



Avid Pro Tools



Steinberg Cubase



Steinberg Nuendo



Adobe Photoshop

These are third party applications and support may vary, check with your software vendor.

Video Standards

SD Video Standards

525i59.94 NTSC, 625i50 PAL

HD Video Standards

720p50, 720p59.94, 720p60
1080i50, 1080i59.94, 1080i60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p50,
1080p59.94, 1080p60

Audio Sampling

Television standard sample rate of 48 kHz and 24 bit.

Color Precision

8, 10, 12-bit RGB 4:4:4 in all modes up to 1080p30 and 8, 10-bit YUV 4:2:2 in all modes.

Color Space

REC 601, REC 709, REC 2020

IP Video Compliance

SMPTE 2110-20 (Uncompressed Video)

IGMP v2

SMPTE 2110-21 (Traffic Shaping)

Sender: Narrow
Receiver: Narrow, Wide Synchronous, Asynchronous

SMPTE 2110-30 (PCM)

Audio Conformance level: Level C

SMPTE 2110-40 (Ancillary Data)

Full access to entire SMPTE ancillary data stream. Includes RP 188/SMPTE 12M-2, closed captioning and HDR static metadata.

Precision Time Protocol

IEEE 1588-2008 (PTP v2)
ST 2059-1
ST 2059-2

NMOS IS-04 Discovery and Registration

v1.3.2
Peer-to-peer via mDNS/DNS-SD

NMOS IS-05 Connection Management

v1.1.2

NMOS BCP-002-01

Natural Grouping

NMOS BCP-004-01

Receiver capabilities

Processing

Colorspace Conversion

Hardware based real time.

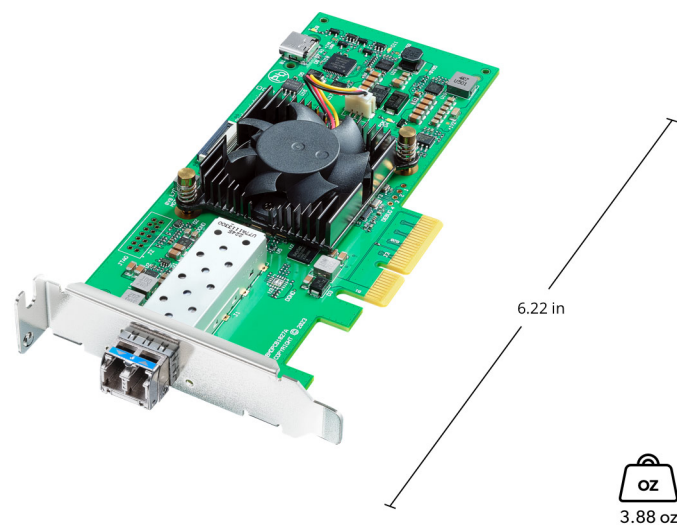
Real Time Effects

DaVinci Resolve, Final Cut Pro internal effects. Adobe Premiere Pro CC Mercury Playback Engine effects. Avid Media Composer internal effects.

Physical Installation

PCI Express low profile.

Physical Specifications



Operating Systems



Mac 12.0 Monterey,
Mac 13.0 Ventura or later.



Windows 10, 64-bit.
Windows 11.



Linux

Power Requirements

Power Consumption

10 Watts

Environmental Specifications

Operating Temperature

5° to 40 ° C (32° to 104° F)

Storage Temperature

-20° to 45° C (-4° to 113° F)

Relative Humidity

0% to 90% non-condensing

What's Included

DeckLink IP HD Optical
10GBASE-LR Optical Fiber SFP+ Module and Cage
Low profile slot bracket
Welcome wallet with QR code for software download

Warranty

3 Year Limited Manufacturer's Warranty

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