

## 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.

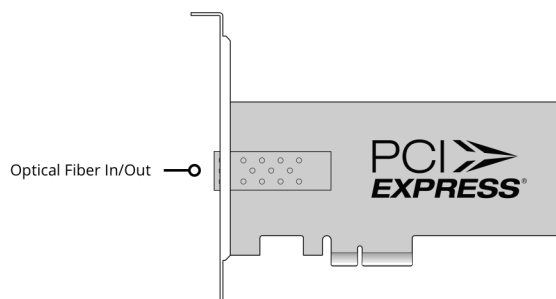
### Connections

#### 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.



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## 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

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## 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.

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## 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.

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## 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, 1080p59.94, 1080p60  
1080PsF23.98\*, 1080PsF24\*,  
1080PsF25\*, 1080PsF29.97\*,  
1080PsF30\*

\* PsF SDI ONLY

### 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

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## 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

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## 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.

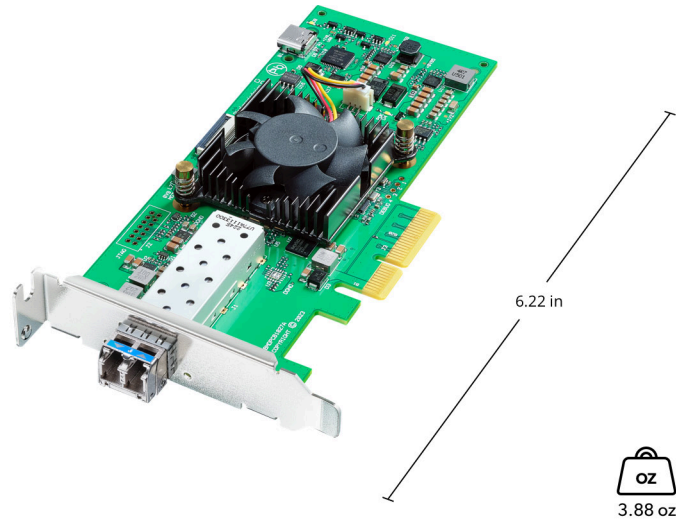
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## Physical Installation

PCI Express low profile.

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## Physical Specifications



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## Operating Systems



Mac 12.0 Monterey,  
Mac 13.0 Ventura or later.



Windows 10, 64-bit.  
Windows 11.



Linux

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## Power Requirements

### Power Consumption

10 Watts

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## 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

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## 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

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## Warranty

### 3 Year Limited Manufacturer's Warranty

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