

Blackmagic Duplicator 4K

Technical Specifications

Description

Now you can immediately sell content at live events the moment they finish! The Blackmagic Duplicator 4K allows you to deliver Ultra HD content to consumers using the latest technology H.265 files recorded onto inexpensive SD cards. You get realtime H.265 encoding and multi rate 12G-SDI connections for recording all SD, HD and Ultra HD formats up to 2160p60, along with 25 built in SD card recorders. That means you can shoot, record, merchandise and deliver content that customers can actually view on their 4K televisions and Windows 10 computers today!

SD Card Support

Class 10 minimum, will support UHS-I and UHS-II cards.

Connections

SDI Video Input

1 x 10 bit SD/HD/UHD auto switching

SDI Video Output

Automatically matches the SD/HD/UHD 12G-SDI input.

SDI Audio Input

16 channels embedded.

SDI Audio Output

16 channels embedded.

Optical Input

1 x 10 bit SD/HD/UHD auto switching.

Optical Output

1 x 10 bit SD/HD/UHD auto switching.

SD Card Interface

25 x SD Card Slots

Device Control

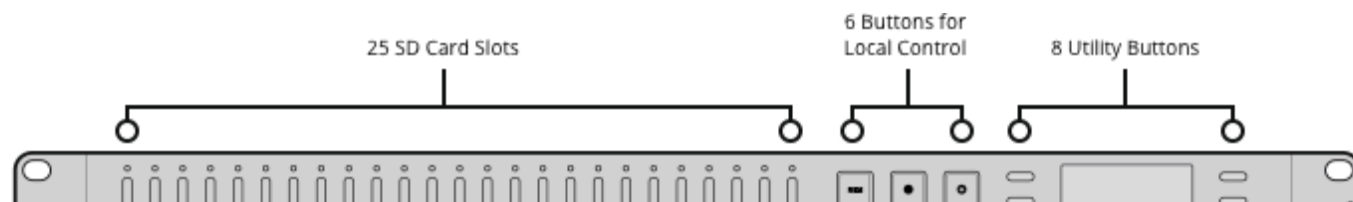
Sony™ compatible RS422 deck control port x 2. 1 x in plus 1 x out.

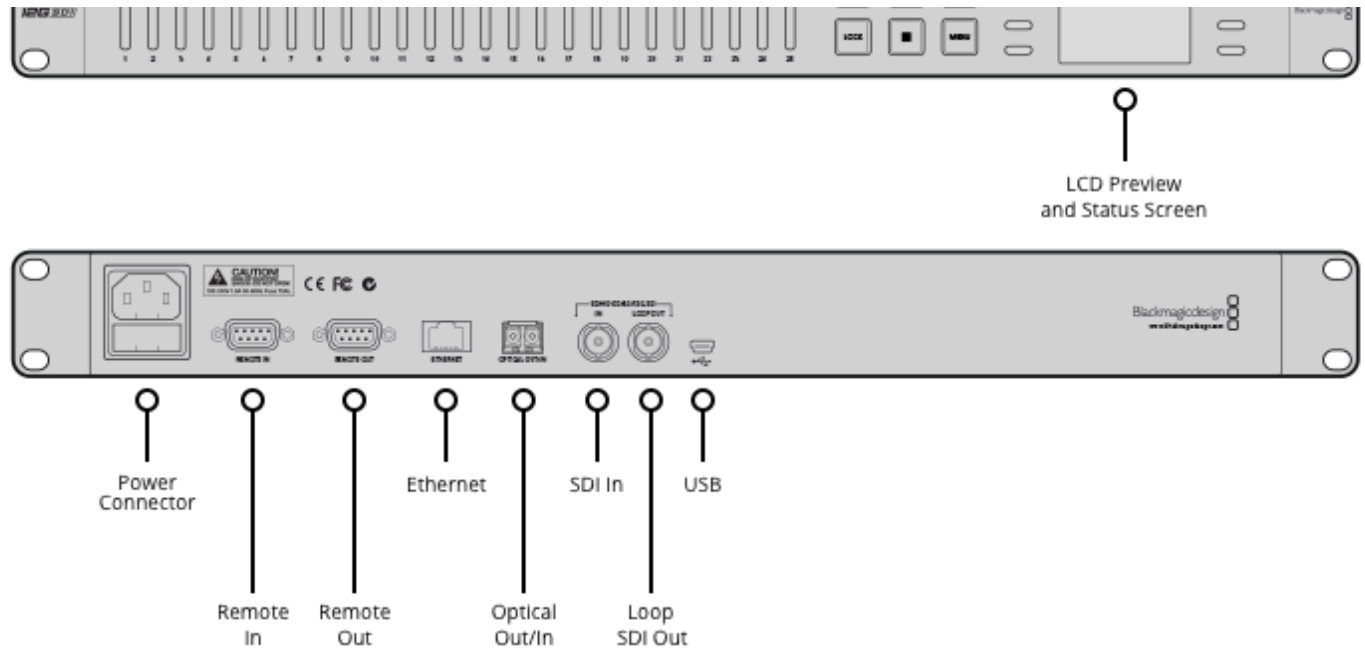
Computer Interface

1 x USB 2.0 Mini-port for software updates and Blackmagic Duplicator software control.

Ethernet

Ethernet supports 10/100/1000 BaseT.





Standards

SD Format Support

525i59.94 NTSC, 625i50 PAL

HD Format Support

720p50, 720p59.94, 720p60
 1080p23.98, 1080p24, 1080p25,
 1080p29.97, 1080p30, 1080p50,
 1080p59.94, 1080p60,
 1080PsF23.98, 1080PsF24,
 1080PsF29.97, 1080PsF25
 1080i50, 1080i60

Ultra HD Format Support

2160p23.98, 2160p24, 2160p25,
 2160p29.97, 2160p30, 2160p50,
 2160p59.94, 2160p60.

SDI Compliance

SMPTE 259M, 292M, 296M, 425M

Audio Sampling

Television standard sample rate of 48 kHz and 24 bit uncompressed.

Video Sampling

4:2:2

Codecs

Supports H.265@ 4:2:0 with AAC audio

Software

Software Included

Blackmagic Duplicator

Internal Software Upgrade

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

Display

1x built in high res LCD 320 x 240 for menu settings, status, format, audio level and total number of SD cards.

Physical Installation

1 rack unit size. Less than 7 inches deep.

Operating Systems



Mac OS X 10.9 Mavericks,
Mac OS X 10.10 Yosemite,
Mac OS X 10.11 El Capitan or later.



Windows 8.1 64-bit or
Windows 10 64-bit.

Power Requirements

Power Supply

IEC Connector with fuse.
110v-240v

Physical Specifications



19 in



1.75 in



7.8 in



4.1 lb

Environmental Specifications

Operating Temperature

5 to 50°C Environment

Storage Temperature

-20° to 50°C (-4° to 113°F)

Relative Humidity

0% to 90% non-condensing

Power Requirements

110-240V

What's Included

Blackmagic Duplicator 4K
Software SD Card

Warranty

12 Month Limited Manufacturer's Warranty.

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Now it's possible to distribute and sell Ultra HD content direct to customers at live events!