

# Blackmagic Duplicator 4K



The Blackmagic Duplicator 4K is like two recorders in one! Featuring an advanced 12G-SDI design, 25 SD card recorders, and built in hardware encoders for H.264 and H.265, the Blackmagic Duplicator 4K can be used for either live duplication or long form recording. When used as a duplicator, it can simultaneously encode and record onto 25 SD cards at a time. When used as a long form recorder, it can record non-stop for weeks at a time. Multiple units can also be chained together for even longer recording times!

## SD Card Support

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

## Connections

### SDI Video Inputs

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### SDI Video Outputs

1 x loop out.

### SDI Rates

270Mb, 1.5G, 3G, 6G, 12G.

### SDI Audio Inputs

16 channels embedded.

### SDI Audio Outputs

16 channels embedded.

### Optical SDI

Supports optional SMPTE optical module.

### Optical Outputs

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

### SD Card Interface

25 x SD Card Slots

### Device Control

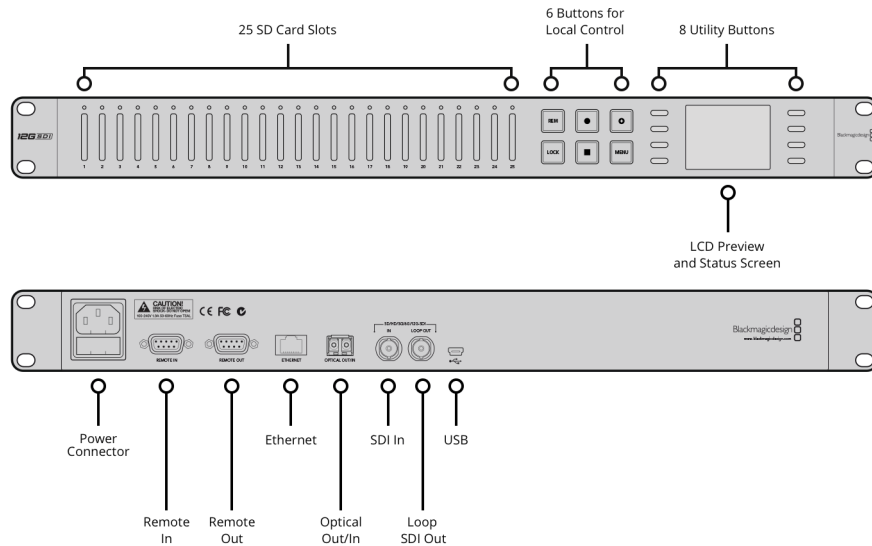
Sony™ compatible RS422 deck control port. 1 x in plus 1 x out.

### 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 Video Standards

525i59.94 NTSC 4:3 or 16:9,  
625i50 PAL 4:3 or 16:9

### HD Video Standards

720p50, 720p59.94, 720p60,  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p50,  
1080p59.94, 1080p60, 1080PsF23.98,  
1080PsF24, 1080PsF25,  
1080PsF29.97, 1080PsF30, 1080i50,  
1080i59.94, 1080i60

### Ultra HD Video Standards

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

### SDI Compliance

SMPTE 259M, 292M, 296M, 425M  
Level A and B

### SDI Metadata Support

HD RP188 and closed captioning.

### Audio Sampling

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

### Video Sampling

4:2:2

## Product Specifics

### Duplicate Recording Mode

Duplicate recording mode  
simultaneously records to all media  
in Blackmagic Duplicator 4K and to  
additional units connected via RS422.

### Single Disk Recording Mode

Single Disk recording mode records  
sequentially to all media in the  
primary Blackmagic Duplicator 4K,  
then sequentially to additional units  
connected in series via RS422.  
Recording will automatically stop  
when media in all units is full.

### Disk Overwrite Recording Mode

Disk Overwrite recording mode  
records sequentially to a single  
Blackmagic Duplicator 4K, overwriting  
media in a continuous loop until the  
recording is stopped.

## Record Codec

8-bit H.264 or 10-bit H.265 at 4:2:0  
with ACC audio.

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## Media

### Media

25 x UHS-I for SD, HD and Ultra HD recording.

### Media Type

Class 10 minimum. SDXC UHS-I and SDHC UHS-I SD cards. Also supports UHS-II SD cards.

### Media Format

Can format cards to ExFAT file system.

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## Control

### Built in Control Panel

6 buttons for transport and menu control. Includes record, append record, stop, menu, remote and control panel lock buttons. 2.2 inch color display.

### External Control

RS-422 deck control, SDI start/stop, timecode run. Includes Blackmagic HyperDeck SDK and Ethernet HyperDeck Control Protocol.

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## Software

### Software Included

Blackmagic Duplicator

### Internal Software Upgrade

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

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## Display

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

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## Physical Installation

1 rack unit size. Less than 7 inches deep.

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## Operating Systems



Mac 10.13 High Sierra,  
Mac 10.14 Mojave or later.



Windows 8.1 and 10.

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## Power Requirements

### Power Supply

1 x Internal 100 - 240V AC.

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## Physical Specifications



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## Environmental Specifications

### Operating Temperature

5 to 50°C Environment

### Storage Temperature

-20° to 45°C (-4° to 113°F)

### Relative Humidity

0% to 90% non-condensing

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## What's Included

Blackmagic Duplicator 4K

SD card with software and manual.

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## Warranty

12 Month Limited Manufacturer's Warranty.

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