

Ultimatte 12 4K



Ultimatte 12 4K is an advanced real time compositing processor designed for keying live action video with next generation broadcast graphics, virtual sets and more. Ultimatte 12 4K features new algorithms and color science, incredible edge handling and color separation, amazing color fidelity, and better spill suppression than ever before. The high performance 12G-SDI design gives you the power to work in Ultra HD and HD with sub pixel processing for an amazing image.

\$2,495

Connections

SDI Video Inputs
8

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

GPIO
DE15

SDI Video Outputs
9

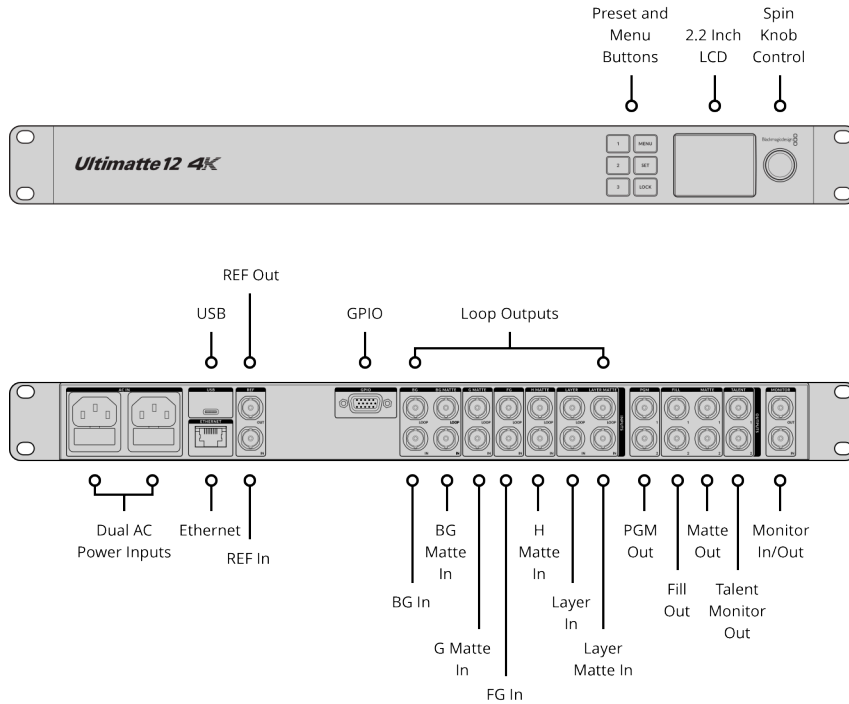
Video Input Re-Sync
On all inputs.

Ethernet
Up to 10Gb/s for device control and loading stills into Media Pool.

SDI Video Loop Outputs
7
Reclocked SD, HD, Ultra HD for corresponding inputs.

Reference Connections
1 x BNC In, 1 x BNC Out.
Tri-Sync or Black Burst.

Computer Interface
1 x USB-C 3.0 for device configuration and software updates.



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
 1080PsF23.98, 1080PsF24,
 1080PsF25, 1080PsF29.97, 1080PsF30

Ultra HD Video Standards

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

SDI Compliance

SMPTE 259M, SMPTE 292M,
 SMPTE 296M, SMPTE 424M,
 SMPTE 425M level A and B,
 SMPTE 2081-1, SMPTE 2081-10,
 SMPTE 2082-1 and SMPTE 2082-10.

Video Sampling

4:2:2

Color Precision

10-bit

Color Space

REC 601, REC 709, REC 2020.

Multiple Rate Support

Auto detection of SD, HD, 6G-SDI and 12G-SDI.

Composite Sources

Foreground

1 x 12G-SDI In with Loop Out

Background

1 x 12G-SDI In with Loop Out
 Still from Media Pool

Background Matte

1 x 12G-SDI In with Loop Out
 Internal Window
 Still from Media Pool

Garbage Matte

1 x 12G-SDI In with Loop Out
 Internal Window
 Still from Media Pool

Holdout Matte

1 x 12G-SDI In with Loop Out
 Internal Window
 Still from Media Pool

Layer

1 x 12G-SDI In with Loop Out
 Still from Media Pool

Layer Matte

1 x 12G-SDI In with Loop Out
 Internal Window
 Still from Media Pool

Composite Outputs

Fill 2 x 12G-SDI	Program 2 x 12G-SDI
Matte 2 x 12G-SDI	Talent 2 x 12G-SDI

Monitor

Monitor In 1 x 12G-SDI for monitor cascade	For monitoring Program, Foreground Input, Background Input, Combined Matte, Internal Matte, Fill Out, Layer Input, Background Matte Input, Garbage Matte Input, Holdout Matte Input, Layer Matte Input, Processed Layer Matte, Processed Holdout Matte, Processed Garbage Matte, Processed Background Matte, Screen Correction.
Monitor Out 1 x 12G-SDI	

Media Pool

Background Still Image Formats TGA, TIFF, BMP, PNG, JPG.	Layer Image Still Image Formats TGA, TIFF, BMP, PNG, JPG.	Holdout Matte Still Image Formats TIFF, BMP, PNG, JPG.
Background with Alpha Still Image Formats TGA, TIFF, BMP.	Layer with Alpha Still Image Formats TGA, TIFF, BMP.	Media Pool Memory 6GB non-volatile internal storage.
	Garbage Matte Still Image Formats TIFF, BMP, PNG, JPG.	

Displays

Built in 2.2 inch color display for device name, video preview, video standard audio meters, status and menus.

Control

Front Panel
2.2 inch color display, 3 preset buttons,
3 menu buttons and spin knob.

Control Connection

Network or direct Ethernet connection to a computer running Ultimatte Software Control or Ultimatte Smart Remote 4.

Software Control

Ultimatte Software Control supported on Mac™ or Windows™ computers.

Custom Control

Ethernet protocol and GPIO pin out included in the [Ultimatte instruction manual](#).

Hardware Control Panel

Ultimatte Smart Remote 4

Software

Software Updates

Using USB-C or Ethernet connection to Mac™ or Windows™ computers.

Configuration

Ultimatte IP address is set via the front panel or Ultimatte setup utility connected via USB.

Operating Systems



Mac 11.0 Big Sur,
Mac 12.0 Monterey or later.



Windows 10, 64-bit.
Windows 11.

Power Requirements

Power Supply

2 x Internal 100-240V AC, 50/60Hz

Power Usage

54W

Accessories

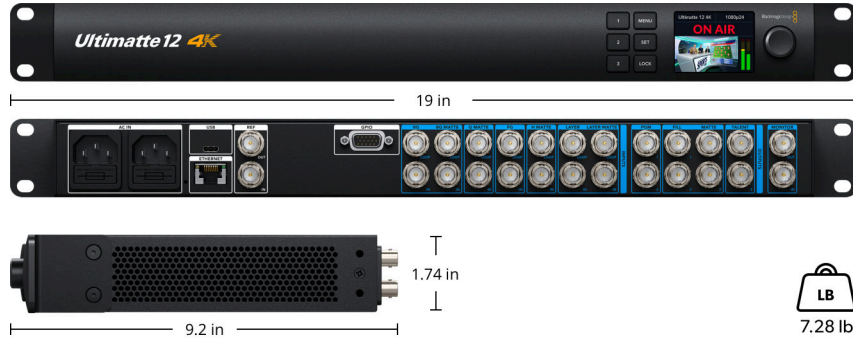
Optional Accessories

Ultimatte Smart Remote 4

Physical Installation

1 rack unit height

Physical Specifications



Environmental Specifications

Operating Temperature

0° to 40°C (32° to 104°F)

Storage Temperature

-20° to 60°C (-4° to 140°F)

Relative Humidity

0% to 90% non-condensing.

What's Included

Ultimatte 12 4K

Welcome wallet with QR code for software download

Warranty

12 Month Limited Manufacturer's Warranty.

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