Ultimatte 12 HD

Ultimatte 12 HD is an advanced real time compositing processor designed for keying live action video with next generation broadcast graphics, virtual sets and more. Ultimatte 12 HD 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 3G-SDI design gives you the power to work in HD with sub pixel processing for an amazing image.

9 850 kr

Connections

SDI Video Inputs
5

SDI Video Outputs
4

SDI Video Loop Outputs
1
reclocked SD or HD Camera FG.

SDI Rates
270Mb, 1.5G, 3G.

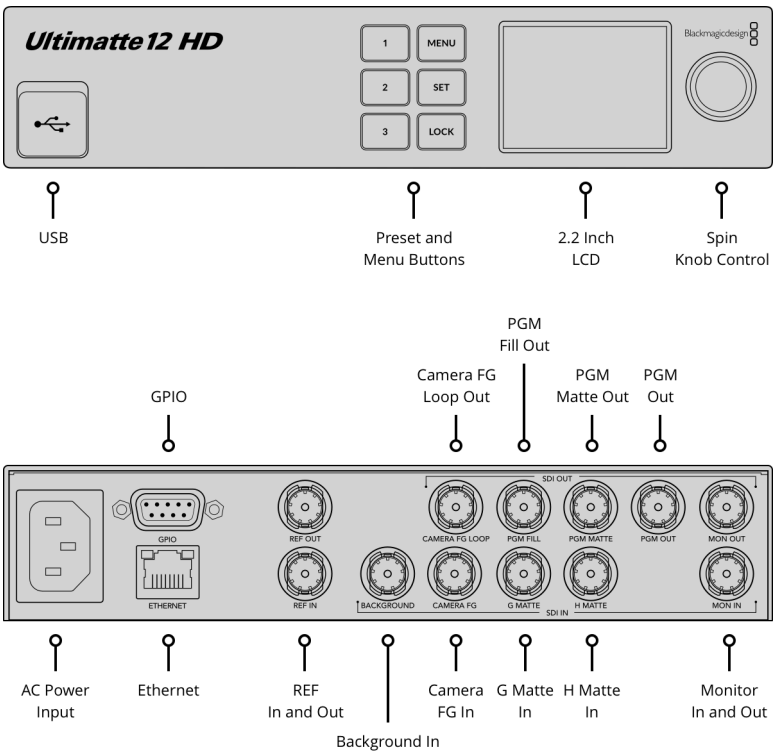
Video Input Re-Sync
On all inputs.

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

GPIO
DE15

Ethernet
Up to 1Gb/s for device control and loading stills into Media Pool.

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

SDI Compliance
SMPTE 259M, SMPTE 292M,
SMPTE 296M, SMPTE 424M,
SMPTE 425M level A and B.

Video Sampling
4:2:2

Color Precision
10-bit

Color Space
REC 601, REC 709, REC 2020.

Multiple Rate Support
Auto detection of SD and HD.

Composite Sources

Foreground
1 x 3G-SDI In with Loop Out

Background
1 x 3G-SDI In
Still from Media Pool

Background Matte
Internal Window
Still from Media Pool

Garbage Matte
1 x 3G-SDI In
Internal Window
Still from Media Pool

Holdout Matte
1 x 3G-SDI In
Internal Window
Still from Media Pool

Layer
Still from Media Pool

Layer Matte
Internal Window
Still from Media Pool

Composite Outputs

Fill
1 x 3G-SDI

Matte
1 x 3G-SDI

Program
1 x 3G-SDI

Monitor

Monitor In
1 x 3G-SDI
for monitor cascade

Monitor Out
1 x 3G-SDI

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.

Media Pool

Background Still Image Formats
TGA, TIFF, BMP, PNG, JPG.

Background with Alpha Still Image Formats
TGA, TIFF, BMP.

Layer Image Still Image Formats
TGA, TIFF, BMP, PNG, JPG.

Layer with Alpha Still Image Formats
TGA, TIFF, BMP.

Garbage Matte Still Image Formats
TIFF, BMP, PNG, JPG.

Holdout Matte Still Image Formats
TIFF, BMP, PNG, JPG.

Media Pool Memory
6GB non-volatile internal storage.

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.

Hardware Control Panel
Ultimatte Smart Remote 4

Custom Control

Ethernet protocol and GPIO pin out included in the Ultimatte instruction manual.

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

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

Power Usage

15W

Accessories

Optional Accessories

Ultimatte Smart Remote 4

Physical Installation

Half rack unit width, 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 HD
Welcome wallet with QR code for software download

Warranty

12 Month Limited Manufacturer's Warranty.

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