



Blackmagic MultiView 16

Technical Specifications

Description

Monitor up to 16 SDI sources using an Ultra HD monitor or television so you get twice the resolution per view! Monitor from SD, HD or Ultra HD-SDI sources in any combination, in any order! Features full frame re-sync on each input.

Connections

SDI Video Input

16 x 10-bit SD-SDI, HD-SDI and 6G-SDI.

SDI Video Loop Output

16 x 10-bit SD-SDI, HD-SDI and 6G-SDI.

Multi View Outputs

4 x SDI plus 1 x HDMI (2 x HD, 2 x 6G-SDI, 1 x HDMI), able to be used concurrently.

SDI Video Multi View Outputs

2 x 10-bit HD-SDI, 2 x 10 bit 6G-SDI.

HDMI Video Multi View Outputs

1 x HDMI type A connector. Output supports EDID of the monitor.

Reference Input

Black burst and Tri-level Sync for SD, HD and 4K.

Multi Rate Support

Auto detection of SD, HD or 6G-SDI. Simultaneous viewing of 4K, HD and SD video.

Updates

USB or Ethernet.

Control

16 buttons for local control of MultiView 16. 5 buttons and scroll wheel for control of LCD display or RJ45 Ethernet.

Configuration

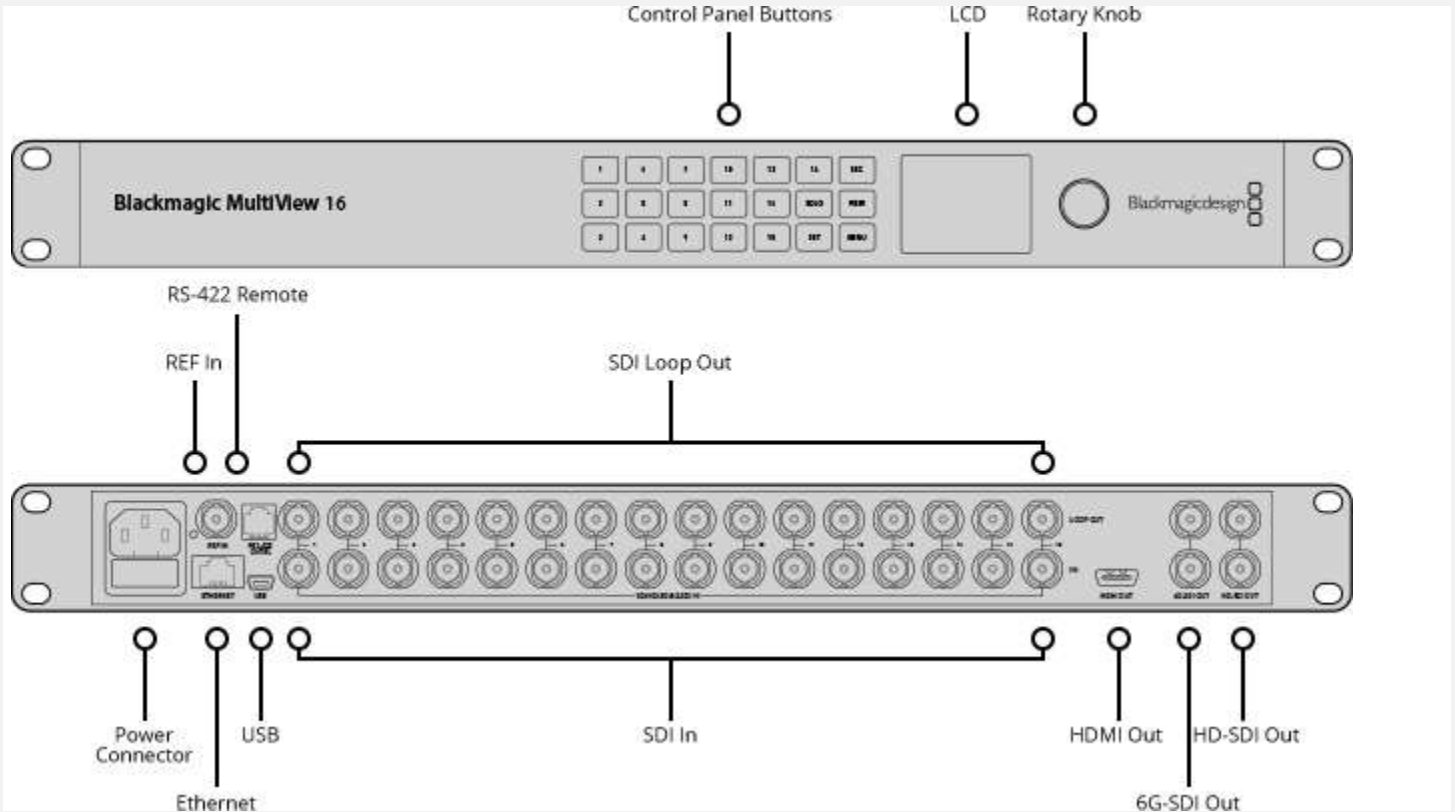
Via front panel LCD or use either RJ45 Ethernet or USB 2.0 for firmware updates and IP address setting.

RS-422 Control

1 x input for configuring layouts.

Reclocking

On all SDI outputs, auto switching between standard definition, high definition or 6G-SDI video.



Standards

SD Format Support

625/25 PAL, 525/29.97 NTSC.

HD Format Support

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

2K Format Support

2048x1080p23.98, 2048x1080p24, 2048x1080p25, 2048x1080PsF23.98, 2048x1080PsF24, 2048x1080PsF25.

4K Format Support

3840x2160p23.98, 3840x2160p24, 3840x2160p25, 3840x2160p29.97, 3840x2160p30, 4096x2160p24.

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 310M, SMPTE 425M-B, ITU-R BT.656 and ITU-R BT.601.

SDI Video Rates

SDI video inputs are switchable between standard definition, high definition and 4K. SDI switches between 270 Mb/s standard definition SDI, 1.5 Gb/s HD-SDI, 3G-SDI and 6G-SDI.

SDI Video Sampling

4:2:2 and 4:4:4.

SDI Audio Sampling

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

SDI Color Precision

10-bit 4:2:2 and 4:4:4.

SDI Color Space

YUV or RGB for inputs, YUV for outputs.

SDI Auto Switching

Automatically selects between SD-SDI, HD-SDI, and 6G-SDI on each input so that each input can be running a different television standard.

SDI Metadata Support

Video payload identification ancillary data as per SMPTE 352M.

Displays

Built-in 1.5" LCD for menu settings.

Software

Software Control

Multi view software included free for Windows™ and Mac OS X™.

Internal Software Upgrade

Via included updater application.

Operating Systems

Mac OS X 10.9 Mavericks,

Mac OS X 10.10 Yosemite or later.

Windows 7 or Windows 8.

Power Requirements

Power Fail Protection

MultiView 16 settings preserved and restored instantly at power on.

Power Supply

IEC power cable required. 90 - 240V AC input.

Physical Specifications



New Era Systems, Inc.

2179 N. Powerline Road, Pompano Beach, FL33069

Sales@newerasystems.net

Environmental Specifications

Operating temperature:

0° to 40° C (32° to 104° F)

Storage temperature:

-20° to 45° C (-4° to 113° F)

Relative Humidity:

0% to 90% non-condensing

What's Included

Blackmagic MultiView 16

Software CD

Warranty

12 month Limited Manufacturer's Warranty.