

Eagle 200/HD

The Next Generation of Seamless Switchers

FSR

Video Products Group

Eagle 200/HD



DESCRIPTION

Overview

The Eagle 200 represents a quantum leap in seamless switching capabilities to answer the needs of today's user. With 2 brand new high performance scalars, 8 analog video inputs, 2 DVI inputs, and 2 SD/HD SDI inputs on Eagle 200 HD. The Eagle 200 delivers extreme performance at an affordable price.

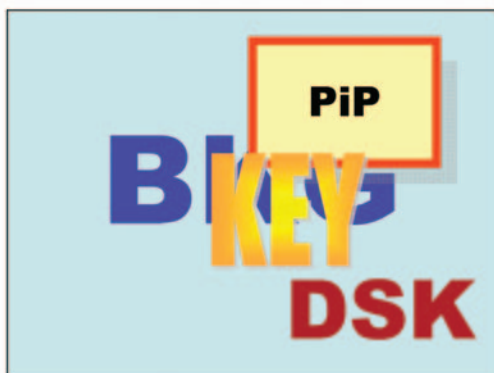
Traditionally, seamless switchers with 2 scalars had 1 locked to preview and 1 locked to the program output. Transitions were simply swapping the scalars between preview and program. This placed significant restrictions on special effects such as Picture in Picture (PiP) and Keying. The Eagle 200 removes those restrictions by treating the scalars simply as layers.

Layers

The Eagle 200 employs a layered approach for building the program output. The deepest layers are the background layers. These are derived from the DVI inputs or can be set to a color. The background layer allows computer generated content to be displayed without tying up one of the scalars.

On top of the background layers are the scaler layers. These layers derive their input from any of the analog or SDI inputs and can be used full screen, as a Picture in Picture (PiP) or as a Key. These scaler layers are independent of one another and can be used in many different combinations to achieve a desired effect.

The top most layer is the Down Stream Key (DSK) layer. It derives its input from one of the DVI inputs and is a Key on top of everything else.



Look Ahead Preview

The Eagle 200 uses a full look ahead preview to aid in managing the layers. The preview can be thought of as a scratch canvas allowing the operator to build the desired look before transitioning it to the program output.

Picture in Picture (PiP)

PiP's can be any size and can have soft edges, user defined borders, and drop shadows. In addition, PiP's position and size can be animated for more dramatic effects.

Luminance Key

The Eagle 200 features a true 10 bit luminance key. The user has full control over clip, gain, opacity and fill source.

FEATURES

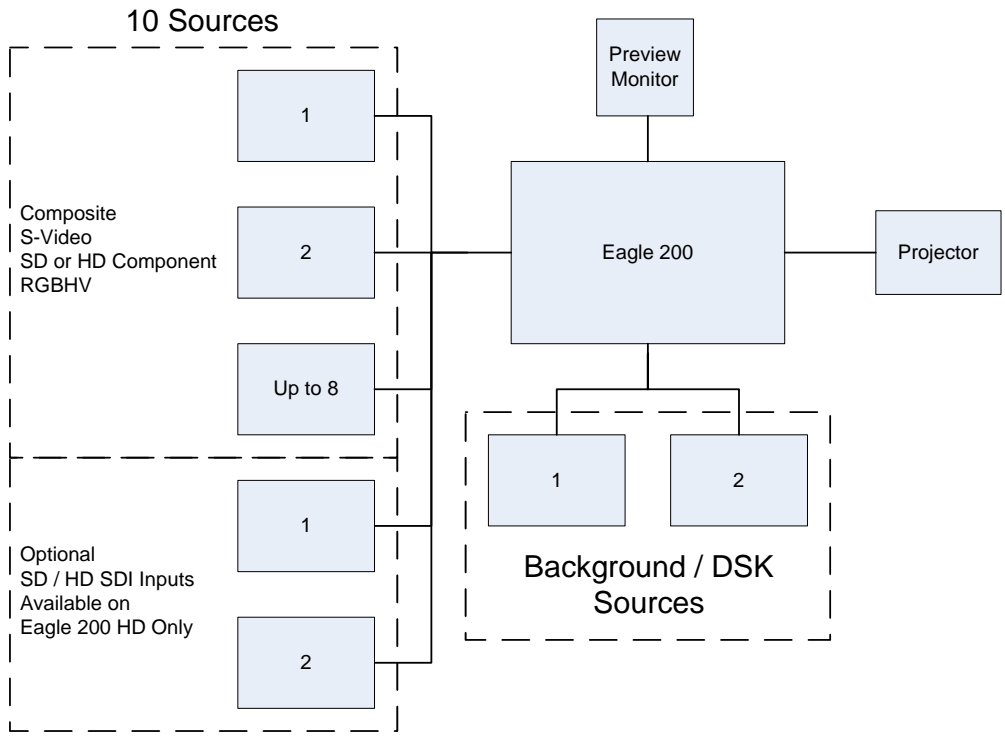
- 4 Effects Layers
- 2 High Performance Athena Scalars
 - Less than 1.5 fields of insertion delay
 - Full 10 Bit Processing
- 8 Universal Analog Inputs
- 2 DVI-D Inputs
- 2 SD/HD SDI Inputs on Eagle 200 HD
- Full Look Ahead Preview
- Extended Resolution Support
 - Computer Resolutions up to 1600x1200
 - HD Resolutions up to 1080p
 - Digital Cinema
- Easy to Use Front Panel with Touch Screen

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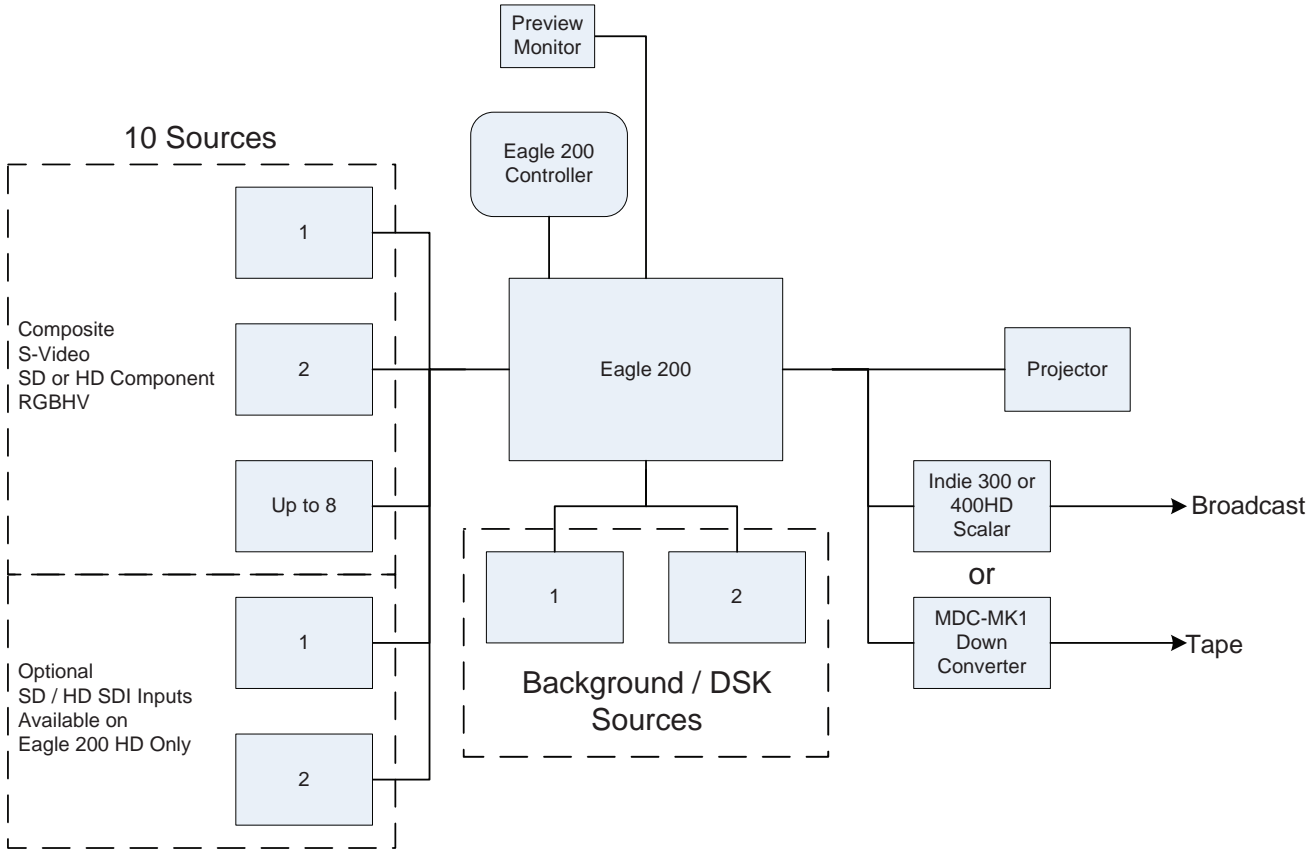
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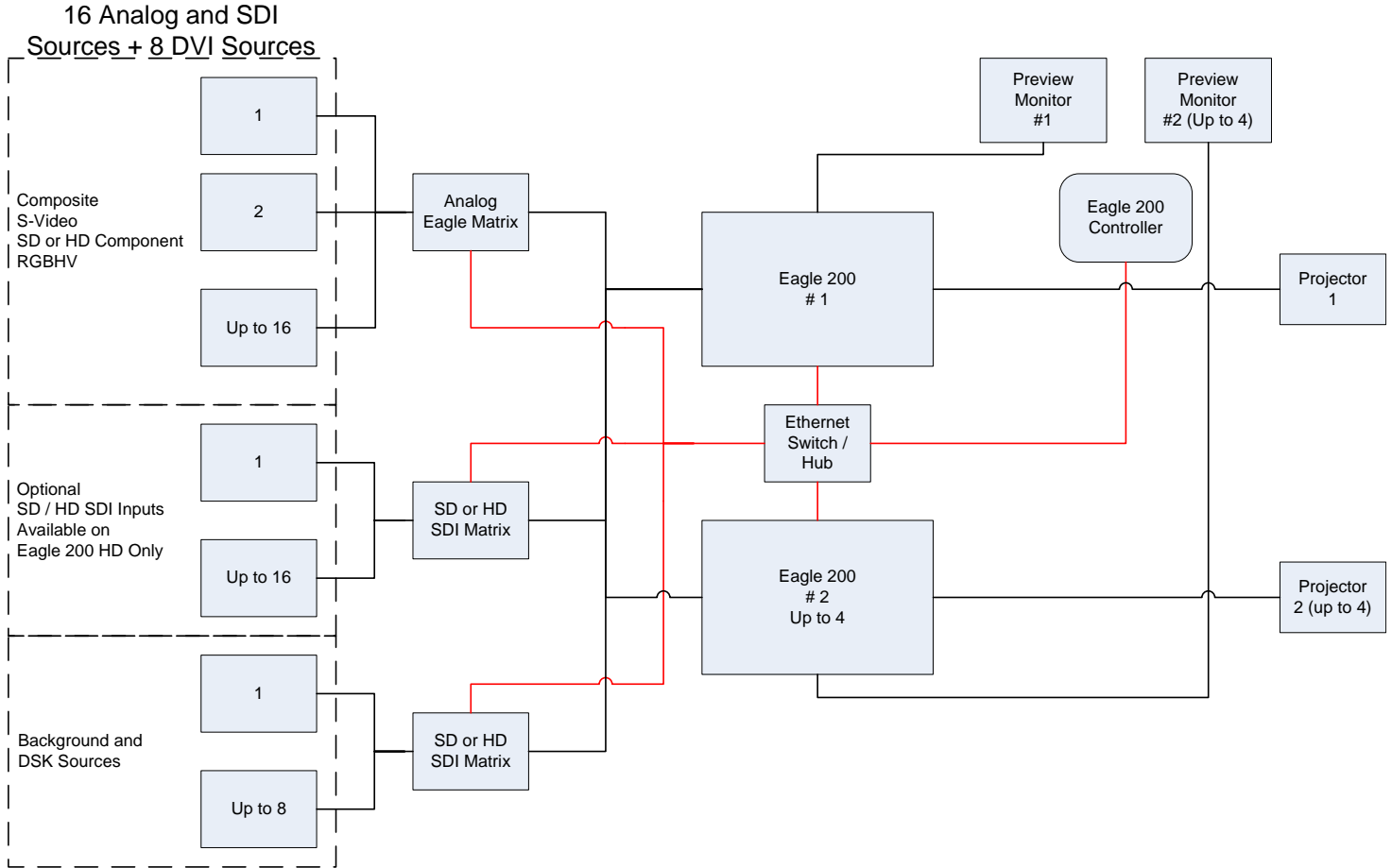
BASIC SYSTEM



ADVANCED SYSTEM



ADVANCED MULTI-SCREEN



ACCESSORIES

- Eagle SC Controller for Remote Control or Coordinated Control of up to 6 Eagle 200
- Eagle Matrix Switchers to Increase the Number of Inputs (Requires Eagle SC Controller)
- RGB-4/6 Distribution Amplifiers with Cable Equalization

SPECIFICATIONS

Inputs

Analog Inputs

Number and Connector:	8 x HD-15
Formats Supported:	Composite, S-Video, Component, RGBHV
Video Resolutions:	480i to 1080p
Video Standards:	NTSC, PAL, Secam
Computer Resolutions:	640x480 to 1600x1200 + Plasma Resolutions

Digital Inputs on Eagle 200 HD Only

Number and Connector:	2 x BNC
Formats Supported:	Standard and High Definition SDI
Resolutions:	SMPTE 259M-C
Video Standards:	NTSC, PAK

Native Resolution Inputs

Number and Connector:	2 x DVI-D
Computer Resolutions:	800x600 to 1600x1200 + Plasma Resolutions
HD Resolutions:	720p, 1080p
Digital Cinema Resolution:	2048 x 1080p

Frame Lock

Number and Connector:	1 x BNC
Type:	Black Burst
Video Standards:	NTSC, PAL

Outputs

Preview Output

Number and Connector:	1 x HD-15
Formats Supported:	RGB, Component
Video Resolutions:	720p, 1080i, 1080p
Computer Resolutions:	640x480 to 1600x1200 + Plasma Resolutions
Digital Cinema Resolution:	2048x1080p

Program Output # 1

Number and Connector:	1 x HD-15 1 x DVI-I
Formats Supported:	RGB, Component
Video Resolutions:	720p, 1080i, 1080p
Computer Resolutions:	640x480 to 1600x1200 + Plasma Resolutions
Digital Cinema Resolution:	2048x1080p
Optional HDSDI	
Connector:	1 x BNC
Resolutions:	SMPTE 259M-C and 292M

Program Output # 2

Number and Connector:	1 x HD-15
Formats Supported:	RGB, Component
Video Resolutions:	720p, 1080i, 1080p
Computer Resolutions:	640x480 to 1600x1200 + Plasma Resolutions
Digital Cinema Resolution:	2048x1080p
Optional HDSDI	
Connector:	1 x BNC
Resolutions:	SMPTE 259M-C and 292M

Mechanical

Size:	3 RU
Weight:	18 lbs.
Mounting	Integrated Rack Ears

Power

Voltage:	120/240, 50/60Hz Auto-select
Current:	1 Amp Max