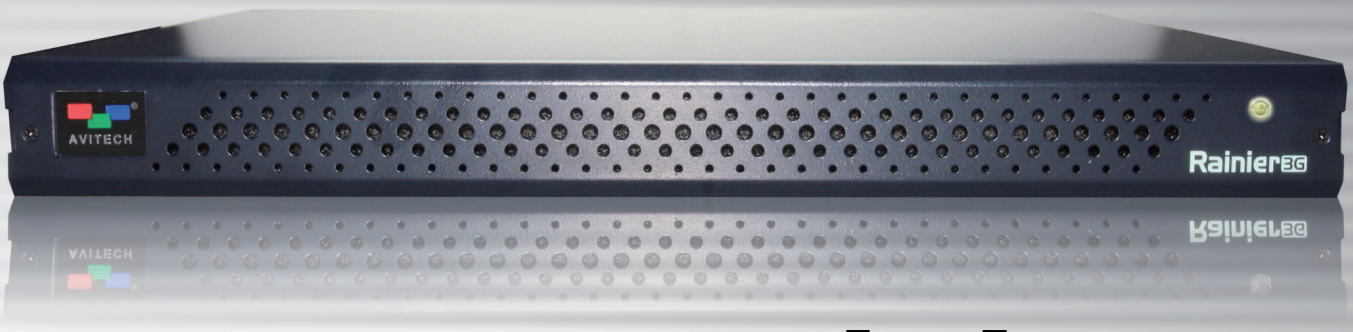
AVITECH



Rainier 3G

A new multiviewing experience.

A new multiviewing experience

The Rainier 3G takes up to eight 3G/HD/SD-SDI/NTSC/PAL sources in a single unit. Featuring internal and external cascading, along with a built-in 8x8 crosspoint switch, it is an indispensable block for building versatile and powerful multiviewing systems. With our legendary no single point of failure architecture, the Rainier 3G is a realiable solution for worldwide broadcasters.

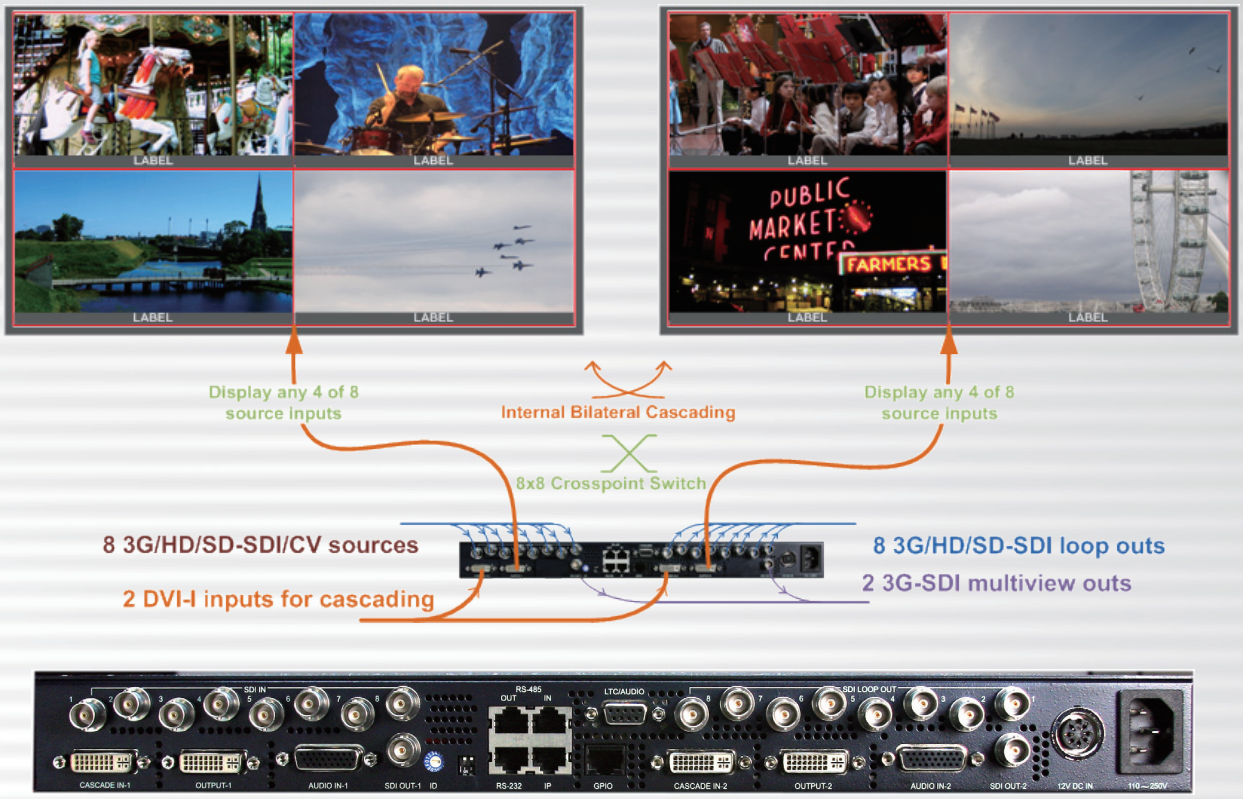


Figure 1.1: Sample configuration of one Rainier 3G unit.
Figure 1.2: Rear panel

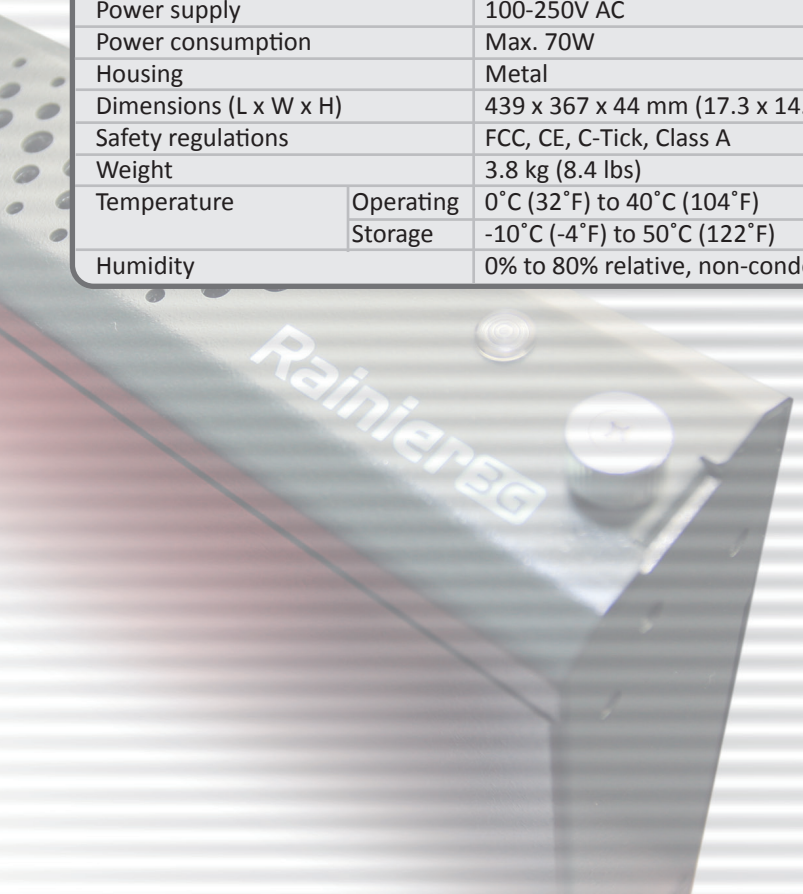
Benefits

- Supports up to eight 3G/HD/SD-SDI/NTSC/PAL signal sources per module and up to eight 3G/1.5G/HD/SD-SDI loop outs
- Automatic sensing of input signals
- Built-in 8 x 8 crosspoint switch
- Two 3G-SDI outputs, two DVI-I outputs (HDMI via DVI to HDMI adapter)
- Two DVI-I inputs for cascading or background inputs
- Dual AES audio inputs, one AES audio output for monitoring
- Audio delay support
- On screen closed captioning and V-chip display
- Dual power supply with DC input
- Replaceable front fan module

Features	Availability
3G/HD/SD-SDI/CV inputs	Eight, auto-sensing
DVI-I inputs	Two, resolutions up to 1920 x 1200
Audio inputs	Embedded (up to 8 channels per window), AES digital, stereo analog
Audio outputs	Available
LTC input	Available
3G-SDI outputs	Available
DVI-I outputs	Available
3G/HD/SD-SDI loop outs	Available
GPI	Available
Max. output resolution	1920 x 1200
Configuration and control	Ethernet, serial port
Phoenix-Q software support	Available
Avitech ASCII protocol support	Available

Specifications

Maximum resolution		1920 x 1200 (WUXGA) at 50/60 Hz, 1600 x 1200 (UXGA) at 75 Hz
Inputs		8 x 3G/HD/SD-SDI/CV (auto-sensing) 1 x RS-232 keyboard port (serial port) 1 x RJ-50 (GPI) 1 x RJ-45 static IP port (Ethernet) 2 x DB-26 2 x DVI-I (resolutions up to 1920 x 1200) 1 x RS-485 (cascade) 1 x DB-9 (LTC/SPDIF cascade)
Outputs		2 x DVI-I (HDMI via DVI to HDMI adapter) 2 x 3G-SDI 8 x 3G/HD/SD-SDI loop out 1 x RS-485 (cascade) 1 x DB-9 (LTC/SPDIF cascade)
LED indicators		Indicates power
Power supply		100-250V AC
Power consumption		Max. 70W
Housing		Metal
Dimensions (L x W x H)		439 x 367 x 44 mm (17.3 x 14.4 x 1.73 in)
Safety regulations		FCC, CE, C-Tick, Class A
Weight		3.8 kg (8.4 lbs)
Temperature	Operating	0˚C (32˚F) to 40˚C (104˚F)
	Storage	-10˚C (-4˚F) to 50˚C (122˚F)
Humidity		0% to 80% relative, non-condensing



Video and Audio Control

- Video loss detection/alarm
- Automatic or manual adjustment of image or gain
- Free scale, move, and full screen windows
- Dual AES audio inputs, one AES audio out for monitoring
- HDMI audio output (via DVI to HDMI adapter)
- Supports analog/embedded audio
- Supports audio delay
- Image cropping and panning (future option)

On-Screen Display

- Capable of interpreting WSS and AFD metadata for aspect ratio adjustment, display, and formatting
- 3D borders and labels
- Adjustable VU/PPM ballistic scale meter
- Tally
- Alarm detection:
  - Video loss
  - Signal type
  - Video black
  - Audio loss/high/low
- Clock options:
  - Digital
  - Time code display
  - Analog (future option)
- Closed captioning
  - CV inputs (future option)
  - HD/SD-SDI inputs (future option)
- V-chip display

Accessories

- DB-26 audio cable (L:30cm)
- DVI to HDMI adapter
- 12V DC power adapter
- Rack mount kit
- GPIO box

Resolution

- Input: automatic sensing of input signals up to 1080p
- Output: customer configurable up to 1080p
- Up to 1920 × 1200 (WUXGA) at 50/60 Hz or 1600 × 1200 (UXGA) at 75 Hz

Rainier

Flawless clarity

3G connection offers precise monitoring via a full 1080p signal.

Dynamic control

Built-in 8x8 crosspoint switch enables powerful multiviewing by managing multiple inputs over two outputs.

Scalable architecture

Start with monitoring eight inputs and cascade up to 15 individual modules to monitor 120 inputs.

Reliable engineering

No Single Point of Failure ensures system integrity if a module fails, and an optional redundant power supply offers increased security.

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