

# Selenio 6800+™ Multiviewer

Quad-Split Multiviewer Card with Cascading Capability



Selenio 6800+™ multiviewer processors provide full multi-image processing functionality for the popular Selenio 6800+™ modular core processing platform. Providing comprehensive control and monitoring at a low cost, the QVM6800+ cards offer a revolutionary, small-footprint multiviewer solution that is ideal for outside broadcast/mobile production vehicles, studio production facilities and current Selenio 6800+ users.

The QVM6800+ operates in two modes — as a standalone quad card for standard four-inputs-to-one-display applications; and, using its unique cascading capabilities, as a modular multiviewer offering 8-, 12-, 16-, 20- or 24-inputs-to-one display. The QVM6800+ cards are designed for use in the 2RU, 20-slot Selenio 6800+ frame. This industry-leading frame offers integral cooling, enhanced hot-swappable power supplies and a lightweight construction, while supporting a full range of modules for processing, distribution and conversion. As each QVM6800+ card occupies only three Selenio 6800+ slots, up to six quads can be populated in a single frame alongside any of the other hundreds of 6800+ cards — offering a great space-saving solution.

Each QVM6800+ card version features four auto-sensing inputs, as well as simultaneous DVI and HD-SDI outputs — ensuring exceptional image quality. In addition, both cards offer resolutions up to 1920x1200 (1920x1080 when cascading) and embedded audio and video alarm capabilities.

## Features

The Selenio 6800+ QVM6800+ series provides a high-quality 3 Gb/s monitoring solution in a small form factor, allowing up to six quads in a single 2RU frame. The cascading function provides the flexibility to build and rebuild systems to suit changing monitoring requirements.

- Auto-detection of up to four analog, HD (720p, 1080i, 1080p) or SDI (525, 625) inputs
- Cascading model can be configured to provide up to 24 sources on one display
- Auto-detection of analog, HD (720p, 1080i, 1080p) or SDI (525, 625) inputs
- 3 Gb/s-capable
- Native HD and SD input processing to ensure excellent in picture quality
- DVI-D output up to 1920x1080 when cascading or 1920x1200 in fixed quad model with simultaneous DVI and HD-SDI output
- Lowest minimum frame delays (<1 frame), even for cascaded model — critical in production environments
- Embedded audio ballistic meters and alarms
- Full-screen, quad-split and any four-window display configuration
- NTP + LTC timecode support and digital clock display
- Instant display reconfigurability — all four inputs are scalable and resizable
- Numerous options for flexible operator control, including Z-Configurator™ software
- Dynamic and static UMD protocol support
- Configurable preset layouts
- Configurable tally lamps with up to four tally lamps per video window
- Onscreen alarms and SNMP notification for immediate response
- Onscreen clock and timer
- Four GPI inputs for fullscreen, preset or tally selection

## Specifications

Specifications and designs are subject to change without notice.

VIDEO INPUTS	
Input Type	3 Gb/s: SMPTE 424M (2.97, 2.97/1.001 Gb/s) HD-SDI (SMPTE 292M 1.485 Gb/s) and/or SDI (SMPTE 259M 270 Mb/s) and or composite (PAL/NTSC)
Number of Inputs Per Card	4; up to 6 cards may be cascaded to provide additional inputs
Number of Slots Required	3
Connector	BNC
Input Resolution	Supports 1080p, 1080i, 720p 50/59.94/60, SDI 525, SDI 625, PAL, NTSC

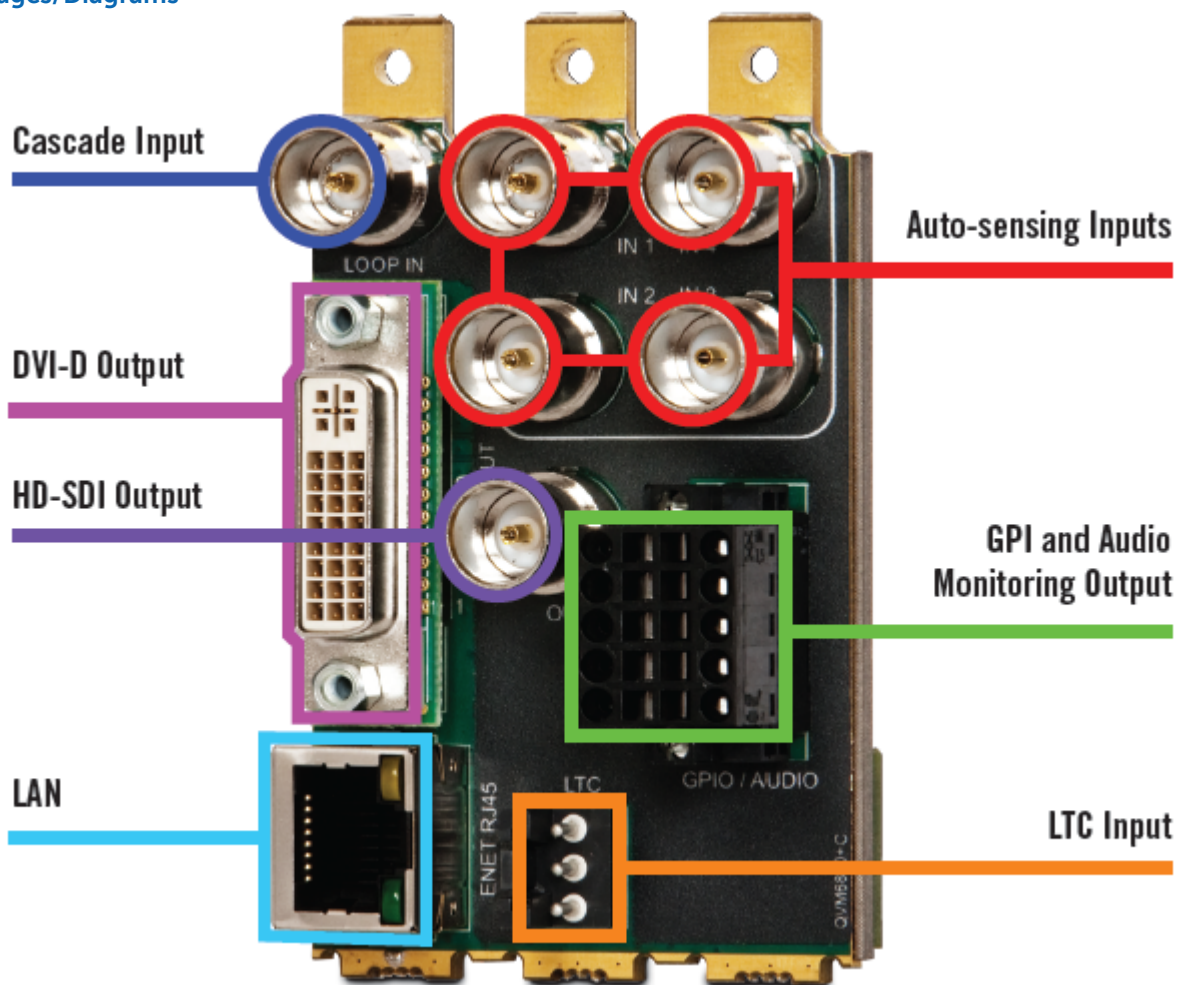
DISPLAY OUTPUTS	
Output Type	Simultaneous DVI-D and HD-SDI output
Number of Outputs	1 (same image on DVI and HD-SDI); when cascaded, only master card output is active
Connector	DVI-D and BNC
Output Resolution	User-programmable up to 1920x1200; up to 1920x1080 if in cascade mode or HD-SDI output active

CONTROL/OPERATION	
Software	Z-Configurator layout configuration software
Ethernet	Ethernet control, via RJ45
GPI	4 inputs per card
Audio Output	Stereo, analog audio

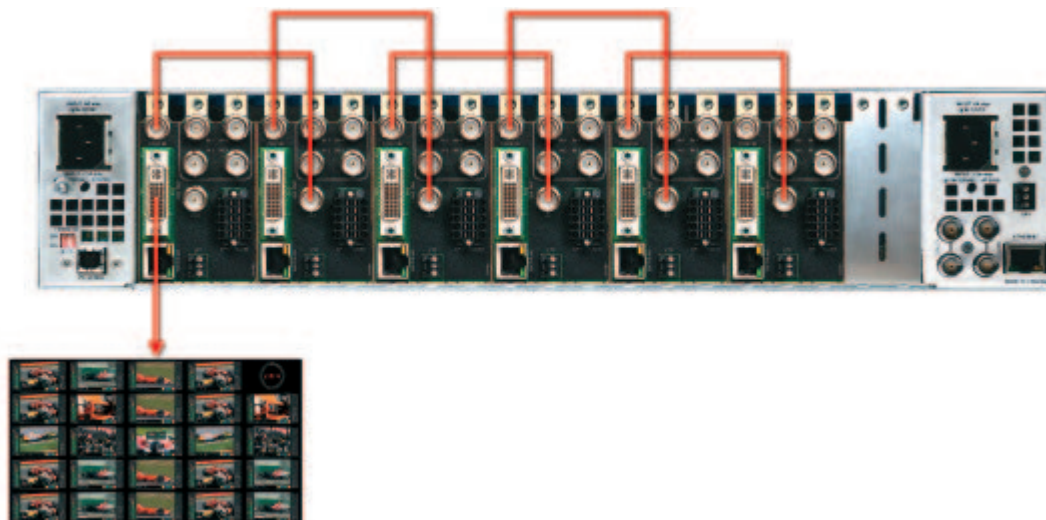
PHYSICAL	
Housing	Selenio 6800+ frame; 19 in. rackmount: 2RU
Dimensions (H x W x D)	11.5 x 3.5 x 19 in. (29.2 x 8.8 x 48.3cm)
Weight Frame	9 lbs (4.08 kg) empty; 12 lbs (5.44 kg) with 2 power supplies
Power Frame	Auto-detected of 100 or 240 V and within 47/63 Hz; Redundant PSU option
Power Consumption Card	14 W per card
Environmental	Operating temperature 32° to 95° F (0° to 35° C), storage is 32° to 122° F (0° to 50° C), humidity 70% maximum
Compliance	CE product emission standard EN 55 022:1994, CE generic immunity standard 50082-1:1992 (as per the EMC directive 89/336/EEC), FCC Class A digital device, pursuant to part 15 of the FCC rules; RoHs-compliant
UMD Protocol Support	TSL Image Video
Graphics Overlay	Ability to download bitmaps for logos on screen Stylized video window skins In-picture embedded audio bargraphs 2 analog clocks 6 up/down timers 4 tally lamps - red, green, yellow, blue Dynamic UMD/tally 6 digital clocks
Fault Detection And Alarms	Loss of video sync Frozen picture Audio over-level Audio under-level
Status Indicator	Input standard

## Ordering Information

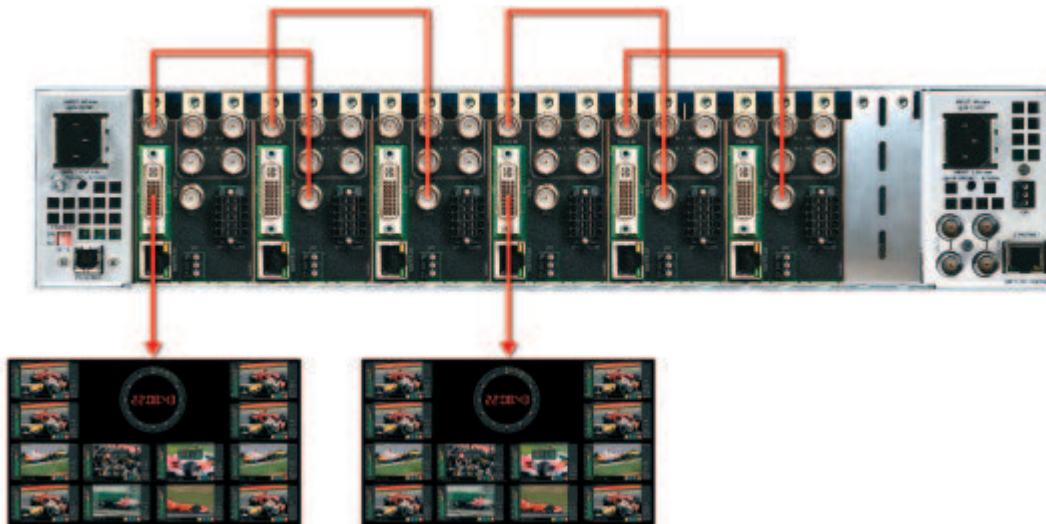
QVM6800+T	Quad multiviewer card for 6800+ frame; occupies three 6800+ slots; embedded audio monitoring; GPI inputs; Z-Configurator supplied as standard, includes cascading as standard feature
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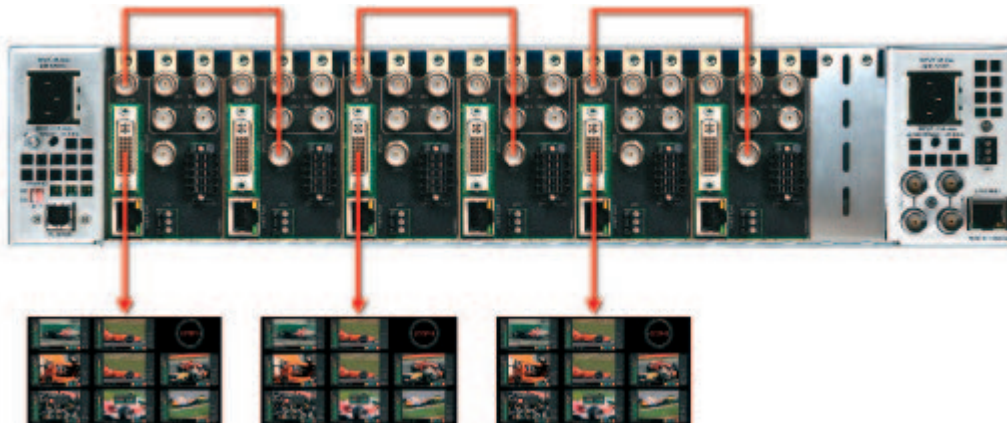
#### 1 x 24 QVM6800+C Frame Configurations



## 2 x 12 QVM6800+C Frame Configurations



## 3 x 8 QVM6800+C Frame Configurations



## 6 x 4 QVM6800+C Frame Configurations

