

## RADIUM - I5

### DUAL 3G-SDI INPUT CAPTURE CARD



#### DESCRIPTION:

The Radium-I5 Dual SDI Input Capture Card provides a dual channel, High Definition SDI Video Capture option to the Radium Videowall Systems family of Capture Cards.

Supporting multiple SMPTE Standards such as the Standard Definition-SDI, High Definition-SDI, and the very demanding 3G-SDI (including 2K Digital Film Resolution Modes), it offers the huge possibility for broadcast grade cameras and systems to be captured and displayed as sources on the Videowall System. And the Radium-I5 does it through the extreme performance of its 650MB/s transfer bandwidth.

This unparalleled performance allows the Radium Videowall Systems to host an entire suite of software features, placing it firmly into a class of its own.

#### FUNCTIONAL FEATURES:

- High Performance DMA Direct Graphics Memory
- Dual Channel PCI Express 3G / HD / SD SMPTE Standards Video
- Loop Through SDI Connections via BNC Connectors
- Long Range Coaxial Cable Support (150m @ 1080p, 300m @ 576p)
- On Board Processor for Real Time Mode and Sync Detection
- Up to 650MB/s Maximum Data Rate

#### SPECIFICATIONS

Form Factor	PCI Express x4 Plug-In Card
Card Size	110 (H) x 170 (D) mm
Connectors	2 x BNC Connectors for 3G-SDI Inputs 2 x BNC Connectors for 3G-SDI Loop-Through
Resolution	SD-SDI - up to 576p HD-SDI - up to 1080i 3G-SDI - up to 1080p @ 60Hz
Sampling	RGB - 24 bits per pixel Video - 6 bits per pixel
Data Rates	Max @ 650MB/s
Curr @ +3.3V	0.45A
Curr @ +12V	0.85A (Peak)
Max Power	12 Watts
Temperature	0°C ~ 35°C (Operating Temperature) -20°C ~ +70°C (Storage Temperature)
MTBF	60,000 Hours
Origin	Made in UK

