

# Fact Sheet

## Interactive Television Payout

# MediaSphere

### Softel – Turning vision into reality

Backed up by three decades of broadcast experience, MediaSphere is an integrated suite of complementary solutions that enable the delivery of innovative, rich 360° viewer experiences, encompassing the complete interactive application lifecycle:

- Develop and test: MediaSphere Desktop & MediaSphere Lab
- Payout: MediaSphere TX
- Manage: MediaSphere Monitor, MediaSphere Manager & MediaSphere Archiver

With support for all interactive TV formats (including MHEG-5, MHP, OpenTV), easy scalability and the flexibility for parallel multi-format payout from the same unit, MediaSphere adds value and plays an integral part in all stages of content delivery from platform development through payout to managing live platform updates.

MediaSphere helps broadcasters to meet the challenges of developing brands and enhancing value to advertisers and sponsors, by offering a flexible platform to innovate and reliably payout high volumes of interactive content.

### MediaSphere TX Unit Environmental Specifications

#### Environmental

- Operating Temperature: 10° C to 35° C (50° F to 95° F)
- Storage Temperature: -40° C to 65° C (-40° F to 149° F)
- Operating Relative Humidity (non-condensing twmax=29C): 20% to 80% non-condensing
- Maximum humidity gradient: 10% per hour, operational and non-operational conditions
- Storage Relative Humidity: 5% to 95% non-condensing (twmax=38C)
- Operating Vibration: 0.26G at 5Hz to 350Hz for 2 minutes
- Storage Vibration: 1.54Grms Random Vibration at 10Hz to 250Hz for 15 minutes
- Operating Shock: 1 shock pulse of 41G for up to 2ms
- Storage Shock: 6 shock pulses of 71G for up to 2ms
- Operating Altitude: -16 to 3,048m (-50 ft to 10,000 ft)
- Storage Altitude: -16m to 10,600m (-50 ft to 35,000 ft)

#### Chassis

- 1U Rack-mountable chassis
- Rack Weight 35.8 lbs (16.3 Kg), maximum configuration
- 30.4" (77.2cm) D x 16.7" (42.6cm) W x 1.67" (4.26cm) H with bezel attached

#### Power

- Standard 670 Watt hot-plug power supply
- Power monitoring
- 90–264VAC autoranging, 47–63Hz, 10.0A (at 90 VAC)
- Maximum inrush current: Under typical line conditions and over the entire system ambient operating range, the inrush current may reach 55 A per power supply for 10 ms or less.
- Redundant 670 Watt power supplies
- AC power supply (per power supply) 670W
- Heat dissipation 2697 BTU/hr (maximum)

#### Batteries

- System battery CR 2032 3.0V lithium ion coin cell
- RAID battery (optional) 4.1V lithium ion battery pack

## MediaSphere TX Input/Output Specifications

### Performance

- ASI Rx/Tx: Overall supported bit rate up to ~200Mbps, up to 10Mbps per service
- Gigabit Ethernet: Overall supported bit rate ~500Mbps, up to 10Mbps per service, 1 – 7 TS packet per Ethernet frame

### Connectivity

- 1 – 4 ASI (DVB-ASI, Co-Ax)
- Optional Gigabit Ethernet (10/100/1000, RJ45, 802.3)
- QAM, OFDM, QPSK and VSB Output options

### Automation interface

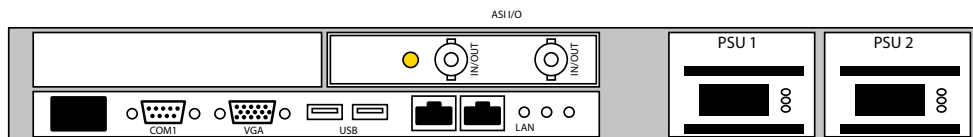
- Supported interfaces include Softel XAP, Harris, Pro-Bel
- MediaSphere SDK extends automation interfaces via Java and/or C#

### Supported middleware/platforms

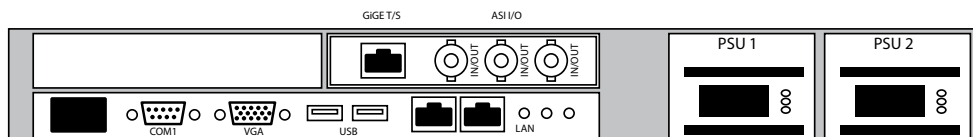
- Tru-2-Way™, ETV-EBIF™, OpenTV™, MHP™, MHEG-5, ACAP, plus other legacy object/carousel formats

## MediaSphere TX Unit Back Panel Connections

### DELL 1950 MediaSphere TX – ASI ONLY



### DELL 1950 MediaSphere TX – ASI/GiGE



## Maintenance, support and services

Support is always a key component when creating an integrated solution, that's why in addition to providing full consultation when delivering a solution, Softel also offers in-house expert support. A tiered range of support options, known as Softel Care, are available spanning from simple software updates to full 24 x 7 x 365 telephone and on-site support. To discuss your support requirements in more detail please contact your Softel account manager.

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