



## ***SRT 4663 X***

- **PVR Functions via USB External Mass Storage Device, Including Timer**
- **Time Shift, Record & Playback**
- **USB 2.0 Host for MP3 Playback, JPEG Viewing and Firmware Update**
- **Super Sensitive Tuner**
- Embedded CONAX CAS7
- 10,000 Programmable Channels
- DVB, MPEG-2 Compliant
- DiSEqC 1.2 and USALS Compatible
- Downloadable Software Upgrades
- Data Transfer Between Units
- Teletext
- Electronic Program Guide
- Parental Lock
- 16 Favorite Channels Groups
- Channel Sorting by Alphabet, Transponder or CAS
- OSD in 10 Languages
- Games with Stereo Sound
- Component: Y / Pb / Pr Video Outputs
- Coaxial S/PDIF Digital Audio Output
- Multi Picture Display and Zoom
- Colour Control
- Virtual Calculator
- Auto Voltage (AC 90~250V) SMPS

## **DIGITAL SATELLITE RECEIVER**



 **STRONG**

[www.strong-technologies.com](http://www.strong-technologies.com)

*not just by name*



### IF SECTION

| Input Frequency Range             | : 950 - 2150 MHz  | I.F. Bandwidth    | : 36 MHz                                 |        |     |         |     |             |               |
|-----------------------------------|---|-------------------|--|--------|-----|---------|-----|-------------|---------------|
| Input Frequency Level             | : -85 dBm ~ -25 dBm   | Input Return Loss | : -6 dBm                                 |        |     |         |     |             |               |
| Noise Figure                      | : 10 dB Max.  | Tuning Step Size  | : 125 KHz                                |        |     |         |     |             |               |
| Input Impedance                   | : 75 ohm  | Demodulation      | : Shaped QPSK                            |        |     |         |     |             |               |
| LO1 Phase Noise:                  | <table border="1"> <thead> <tr> <th>Offset Freq.</th> <th>dBc/Hz</th> </tr> </thead> <tbody> <tr> <td>10 KHz</td> <td>-75</td> </tr> <tr> <td>100 KHz</td> <td>-95</td> </tr> </tbody> </table> | Offset Freq.      | dBc/Hz                                   | 10 KHz | -75 | 100 KHz | -95 | Symbol Rate | : 2-45 Mbauds |
| Offset Freq.                      | dBc/Hz  |                   |  |        |     |         |     |             |               |
| 10 KHz                            | -75   |                   |  |        |     |         |     |             |               |
| 100 KHz                           | -95   |                   |  |        |     |         |     |             |               |
|                                   |   | FEC Coding        | : Concatenated Viterbi & Reed-Solomon    |        |     |         |     |             |               |
|                                   |   | Viterbi Rates     | : k=7 Rate 1/2, 2/3, 3/4, 5/6, 7/8, AUTO |        |     |         |     |             |               |
|                                   |   | Roll-off Factor   | : 35%                                    |        |     |         |     |             |               |
| Acquisition Frequency Uncertainty | : Auto  |                   |  |        |     |         |     |             |               |
| Eb No Performance, BER            | : Exceeds DVB Recommendation for all FEC Rates  |                   |  |        |     |         |     |             |               |

### LNB SECTION

|              |   |                        |   |
|--------------|---|------------------------|---|
| Connector    | : F-Type - Loop-through                             | Band (Hi/Lo) Selection | : 22 KHz On/Off                                     |
| Power        | : 400 mA Max.                                       | DiSEqC 1.2             | : 64 Universal LNB Control                          |
| Polarization | : Horizontal: DC 16-19 V<br>Vertical : DC 12-14.5 V | USALS                  | : Positioner Control<br>Automatic Satellite Locator |

### SYSTEM RESOURCES

|           |                    |        |           |
|-----------|--------------------|--------|-----------|
| Processor | : 32 bit (150 MHz) | FLASH  | : 2 Mbyte |
| SDRAM     | : 16 Mbyte         | EEPROM | : 32 Kbit |

### VIDEO SECTION

|                        |   |                          |                           |
|------------------------|---|--------------------------|---------------------------|
| Decoding               | : MPEG-2 & MPEG-1 Compatible  | Bar Amplitude Error      | : 6%                      |
| Compression Technique  | : Main Profile, Main level  | Field Time Distortion    | : 3% Max.                 |
| Format                 | : PAL, NTSC   | Line Time Distortion     | : 3% Max.                 |
| Frame Rate             | : 25 Hz, 30 Hz  | Short Time Distortion    | : 5% Max.                 |
| Aspect Ratio           | : 4:3, 16:9   | Luminance Nonlinearity   | : 5% Max.                 |
| Active Pixel           | : 720 x 576, 720 x 480  | Differential Gain        | : 5% Max.                 |
| Output Impedance       | : 75 ohm  | Differential Phase       | : 5° Max.                 |
| Composite Output Level | : 1Vp-p±0.1Vp-p (75 ohm load)   | S/N Unweighted           | : 56 dB Min.              |
| Component Output Level | Y : 1Vp-p±0.1Vp-p (75 ohm load)<br>Pb : 0.52 Vp-p 0.05Vp-p (75 ohm load)<br>Pr : 0.52 Vp-p 0.05Vp-p (75 ohm load) | C/L Intermodulation      | : 5% Max.                 |
|                        |   | Chrominance Nonlinearity | : 5% Max.                 |
|                        |   | C/L Delay                | : 75 nsec Max.            |
| Data Rate              | : Up to 15 Mb/s   | Frequency Response       | : 3 dB Max. (0.5-5.0 MHz) |

### AUDIO SECTION

|                       |                            |                           |                      |
|-----------------------|----------------------------|---------------------------|----------------------|
| Compression Technique | : MPEG-1, 2 Layer 1 & 2    | Output Level              | : 3.0 Vp-p Max.      |
| Sound Mode            | : Dual (Main/Sub), Stereo  | Output Impedance          | : 600 ohm            |
| Sampling Frequency    | : 32 KHz, 44.1 KHz, 48 KHz | Total Harmonic Distortion | : 0.3% Max. at 1 KHz |
| Frequency Response    | : 2.0 dB - 15 Hz to 20 KHz |                           |                      |

### CONNECTORS SECTION

|                       |               |                      |                           |
|-----------------------|---------------|----------------------|---------------------------|
| Component Y / Pb / Pr | : RCA x 3     | Aerial In            | : IEC Female              |
| A/V Out               | : RCA x 3     | Service Port         | : RS-232C (115 Kbps Max.) |
| RF Out                | : IEC Male    | Digital Audio Output | : RCA                     |
| USB 2.0               | : Type A Port |                      |                           |

### MODULATOR SECTION

|        |             |    |                              |
|--------|-------------|----|------------------------------|
| Output | : PAL G/I/K | CH | : 21-69 UHF (PLL Controlled) |
|--------|-------------|----|------------------------------|

### POWER SUPPLY

|                                  |                   |                              |
|----------------------------------|-------------------|------------------------------|
| AC 90-250 V, 50-60 Hz, 25 W Max. | Power Consumption | : 25 W Max. (Operating Mode) |
|----------------------------------|-------------------|------------------------------|

### PHYSICAL SPECIFICATIONS

|                  |                    |            |           |            |
|------------------|--------------------|------------|-----------|------------|
| Size (W x H x D) | : 260 x 58 x 240mm | Net Weight | : 1.9 Kg. | E. & O. E. |
|------------------|--------------------|------------|-----------|------------|

### DISTRIBUTED BY:

