



SRT 4896

TWIN TUNER
PVR Personal Video Recorder

- **Simultaneous Output of 2 Channels**
- **250 GB Hard Disk Drive**
- **125 Hours Recording Capacity**
- **Simultaneous 4-Channel Recording and 1-Channel Playback**
- **Time Shift**
- **Picture-In-Picture**
- **USB 2.0 Interface For File Transfer To PC**
- **MP3 Playback**

- **Embedded CONAX CAS7**
- **8,000 Programmable Channels**
- **Common Interface (2 Slots)**
- **DiSEqC 1.2 & USALS Compatible**
- **Component: Y / Pb / Pr SCART Outputs**
- **Super Video: 4-Pin Mini DIN Output**
- **Digital Audio Optical Output**
- **16:9 Fullscreen, 4:3 Letterbox & Fullscreen**
- **Auto & Manual Search Mode**
- **Electronic Program Guide**
- **40-Event Timer Control**
- **Multi Picture Display & Zoom**
- **Teletext**
- **DVB-S, MPEG-2 Compliant**
- **QPSK Demodulation**
- **0/12V External Switching**
- **21-69 UHF PLL Modulator**
- **Downloadable Software Updates**
- **Fan Cooled**
- **Auto Voltage (AC 100-240V) Power Supply**

DUAL VIEW TWIN TUNER DIGITAL SATELLITE TELEVISION RECEIVER



STRONG

not just by name



SRT 4896 SPECIFICATIONS

IF SECTION

| | | | |
|-----------------------------------|--|-------------------|--|
| Input Frequency Range | : 950 - 2150 MHz | I.F. Bandwidth | : 36 MHz |
| Input Frequency Level | : -65 dBm - -25 dBm | Input Return Loss | : -8 dBm |
| Noise Figure | : 12 dB Max. | Tuning Step Size | : 125 KHz |
| Input Impedance | : 75 ohm | Demodulation | : Shaped QPSK |
| LO1 Phase Noise | : Offset Freq. dBc/Hz | Symbol Rate | : 2-45 Mbauds |
| | Typ. Max. | FEC Coding | : Concatenated Viterbi & Reed-Solomon |
| | 1 KHz -54 -48 | Viterbi Rates | : k=7 Rate 1/2, 2/3, 3/4, 5/6, 7/8, AUTO |
| | 10 KHz -82 -73 | Roll-off Factor | : 35% |
| | 100 KHz -105 -96 | | |
| | 1 MHz -120 -112 | | |
| Acquisition Frequency Uncertainty | : 3 MHz | | |
| Eb No Performance, BER | : Exceeds DVB Recommendation for all FEC Rates | | |

LNB SECTION

| | | | |
|-----------------|---------------------------|------------------------|-------------------------------|
| Input Connector | : F-Type (Female) x 2 | Band (Hi/Lo) Selection | : 22 KHz On/Off |
| Power | : 400 mA Max. | DiSEqC 1.2 Interface | : 64 Universal LNB Control |
| Polarization | : Horizontal : DC 16-19 V | USALS | : Automatic Satellite Locator |
| | Vertical : DC 11-14 V | Loop Out | : F-Type (Female) x 2 |

SYSTEM RESOURCES

| | | | |
|-----------|-------------------------|--------|----------|
| Processor | : 200MIPS@167MHz | FLASH | : 4 MB |
| SDRAM | : 64 MB | EEPROM | : 128 Kb |
| HDD | : 250 GB - ATA - HDMA66 | | |

VIDEO SECTION

| | | | |
|------------------------|-------------------------------------|--------------------------|---------------------------|
| Decoding | : MPEG-2 ISO/IEC 13818 | Bar Amplitude Error | : 6% |
| Compression Technique | : Main Profile, Main level | Field Time Distortion | : 3% Max. |
| Format | : PAL | Line Time Distortion | : 3% Max. |
| Frame Rate | : 25 Hz | Short Time Distortion | : 5% Max. |
| Aspect Ratio | : 4:3, 16:9 | Luminance Nonlinearity | : 5% Max. |
| Active Pixel | : 720 x 576 | 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) | C/L Intermodulation | : 5% Max. |
| | Pb : 0.52Vp-p 0.5Vp-p (75 ohm load) | Chrominance Nonlinearity | : 5% Max. |
| | Pr : 0.52Vp-p 0.5Vp-p (75 ohm load) | C/L Delay | : 75 nsec Max. |
| Input Rate | : 81 Mbit/s Max. | 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 | : SCART | RF Out (Second TV) | : IEC Male |
| RGB | : SCART | A/V Out (Second TV) | : RCA x 3 |
| A/V Out | : SCART & RCA x 3 | Service Port | : RS-232C (115 Kbps Max.) |
| A/V In/Out | : VCR SCART | Digital Audio Output | : Optical |
| S-Video | : 4-Pin Mini Din | 0/12V Control | : RCA |
| USB 2.0 | : Type B Port | | |

MODULATOR SECTION

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

POWER SUPPLY

| | | |
|---|-------------------|-----------------------------|
| AC 100-240 V, 50/60 Hz, 30 W Max., Fan Cooled | Power Consumption | : 30W Max. (Operating Mode) |
|---|-------------------|-----------------------------|

PHYSICAL SPECIFICATIONS

| | | | | |
|------------------|---------------------|------------|---------|------------|
| Size (W x H x D) | : 370 x 60 x 268 mm | Net Weight | : 3.5Kg | E. & O. E. |
|------------------|---------------------|------------|---------|------------|

DISTRIBUTED BY:



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