

VT-TR-SC2C Dual Channel Tracking Receiver

The VT-TR-SC2C compact fully digital dual channel direct conversion all band (70MHz to 6GHz) tracking receiver combines all the functions required for state of the art dual frequency telemetry data tracking reception into a single easier to use and reliable system.



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The VT-TR-SC2C ultra performance all band tracking receiver system offers a no compromise, high density data reception solution, with integrated dual channel all band (70MHz to 6GHz) tracking receivers. Each receiver may be tuned to its own frequency thus offering a solution for both frequency and polarization diversity tracking. All this in a small form factor, low heat dissipation and ruggedized package.

The VT-TR-SC2C can operate stand alone or tethered. Remote control and monitoring is supplied as standard, either via the human remote interface (Ethernet based TCP/IP) or via the supplied Windows compatible control software operating locally or remotely for single or multiple units. This easy to use full function graphical software interface controls and monitors all aspects of the VT-TR-SC2C tracking receiver systems operation.

The VT-TR-SC2C receiver system has a very wide bandwidth of more than 30 MHz per channel over the range 70MHz to 6GHz and an ultra low total noise figure of better than 4db.

This fully digital direct conversion receiver provides exceptional reception performance over TIER0, TIER1 and TIER2 received telemetry signals with improved performance AM down to below -125dBm for use with Auto Tracking antenna systems.

Manufacturer (OEM):

JDA Systems, Gutenbergstrasse 4,
26632 Ihlow Riepe, Germany
Tel: +49-4928-91560; E-mail: sale@jda-tele.com

American Distributor:

5K Technologies LLC
1030 Cox Avenue
Tel: (215) 934-1598 E-mail: sales@5K-Tech.com

VT-TR-SC2C Tracking Receiver Features

- Two Fully Digital Direct Conversion Receivers Per Chassis
- All Band Operation of 70MHz to 6GHz with 1KHz tuning resolution with separate frequency tuning per channel
- Compact and low power design
- Rugged construction Best in class performance
- RF SMA female inputs @ 50Ohm, VSWR < 1.5
- Receives AM, FM, PM, BPSK, QPSK, AQPSK, AUQPSK, OQPSK, SOQPSK, VIDEO
- Programmable tracking BW to +/-100kHz with 1KHz resolution
- Fully Programmable input BW and Input Filter with 1Hz resolution
- Low Total Noise of Less Than 4dB
- High Absolute Sensitivity < -125 dBm
- RF input maximum level -10dBm
- AGC with automatic response setting 1 to 100mSec
- Wide Band Operation greater than 30 MHz
- Mini BNC analog outputs 0-5V AGC1, AM1, AGC2, AM2
- RJ45 100MB Ethernet Remote Control & Monitoring Interface
- BIT Self Test: 0 Operational, 1 Startup, 2 DSP Initialize, 3 RF Initialize, 4 Comm Error, 5 Message Error, 6 Time Lost.
- Easy to use Windows 7 thru 10 Compatible Graphic User Interface
- Human remote interface system
- Dimensions mm 160W (6.3") x 112W (4.5") x 42H (1.7")
- Weight: 815g / 1.8 lbs.
- 6V-12V DC Operation

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