

RMR-X6-II-D

50 MHz to 7 GHz 6-Way Diversity Receiver with HD Decoder for HD/SD Applications

Features:

- High-quality central/portable COFDM SD/HD receive solution
- Six input maximum ratio combining for outstanding sensitivity
- Ultra-sensitive reception via remote block down converters (BDCs)
- Auto-detects all encoded MPEG2 parameters
- Local, Web and remote—controllable (via external third party interface)
- Unit outputs composite, SDI, (HD) SDI and ASI video formats and HD down conversion
- Available analog, AES digital and embedded audio outputs
- OLED chassis display, OSD display of basic parameters
- AC or DC Operation (110/240 VAC or 9 to 36 VDC)
- Multi-band flexibility through available external block down converters (2.0 GHz, 4.5 GHz and 5.8 GHz bands)
- 6, 7, 8 MHz COFDM bandwidths

Options:

- Available decryption
- Available AES decryption



The RF Central RMR-X6-II-D software-defined, six-input digital diversity receiver provides maximum ratio combining, DVB-T receive capabilities, ASI output for forwarding the stream, UDP streaming over IP (Ethernet) and an internal MPEG2 SD/HD decoder.

The unit is controllable via the front panel, RS232, or Ethernet.

The RMR-X6-II-D has six antenna UHF RF inputs that interface with external Block Down Converters (BDCs) to provide superb maximum ratio combining capabilities. The maximum ratio combining function automatically chooses the best signals from the six antennas and then combines them to improve the SNR. This advanced process of combining multiple weighted and received SNR values enables the unit to provide seamless 360 degree coverage, without the need for sophisticated GPS tracking systems.

The unit is powered by either 9 to 36 VDC or an external 110/240 VAC power supply. The 2 RU x half rack configuration of the RMR-X6-II-D maximizes space efficiency in busy control rooms/command centers.