

# SDR-6216m

## UHF 16-FREQ. TRUE DIVERSITY RECEIVER MODULE



### General features

- UHF synthesized true diversity for highest quality and dropout-free reception.
- Helical Filter RF front end ensures high selectivity.
- Excellent IF design delivers high image and spurious rejection
- Anti-interference Pilotone circuit
- RF noise squelch circuit.
- Auto-scan function searches for the cleanest frequency and simplifies multi-channel setup.
- Squelch control accessible via front panel.
- Power and volume control switch.
- UP / DOWN channel selection key.
- 7-segment LED display channel indicator.
- Battery low indicator LED
- Balanced and unbalanced audio output.
- 20-pin connection for easy installation.

### Specifications

|                        |   |
|------------------------|---|
| Model                  | SDR-6216m   |
| Frequency Range        | UHF High Band 600 - 900 MHz   |
| Switching Bandwidth    | 20 MHz  |
| Switchable Frequencies | 16  |
| Display Screen         | 7-segment LED   |
| Oscillation Type       | PLL Synthesized   |
| Frequency Stability    | ±0.005%   |
| Frequency Scan         | YES   |
| Receiving Method       | True Diversity  |
| Sensitivity            | -100 dBm at S/N ratio > 80 dB   |
| Image Rejection        | > 85 dB   |
| Spurious Rejection     | > 85 dB   |
| S/N Ratio              | > 110 dB  |
| Peak Deviation         | ±40 KHz   |
| T.H.D.                 | < 0.5%  |
| Audio Outputs          | Unbalanced: +4 dBm (1.25 V) / 5 KΩ<br>Balanced: +10 dBm (2.5 V) / 600 Ω |
| Squelch                | RF noise squelch & Pilotone squelch                                     |
| Power Supply           | DC 12V 500mA  |
| Matched Transmitter    | SQ-7100, SM-7100 / SQ-5016, SM-5016                                     |
| Patent & Approvals     | FCC, CE   |