

V/UHF Software Defined Radios SDR Family

Based on its software configurable architecture, SDR ensure clear or encrypted voice and data communication in VHF and UHF frequency bands (30-512 MHz) as well as full automatic integration with tactical and strategic networks to provide “cellular phone” services to tactical users. The radio transceiver features a 96x 64 graphical LCD display and a 3x6 keypad for easy man machine interface. The menu structure and controls are very similar to cellular phones for ease of use and training. SDR ensure increased survivability against Electronic Warfare threats by providing alternative communication functions compared to conventional radios. The Software Defined Radio is equipped with highly secure communication methodology owing to its Frequency Hopping feature, which makes the communication immensely cumbersome to be detected on the wireless channel. Various radios waveforms operating in different frequencies and modulations (FM, AM) can be utilized by means of the software running on the radio. The SDR has the capability of creating a 30 channels TDMA packet switched network.

