

# SpectraCom 205

## VHF BACKPACK TACTICAL REPEATER

Frequently the logistics of a surveillance site mandate extending the range of sensors and other low- powered surveillance transmitters because of distance or terrain. The SC 205BP Backpack Repeater provides a flexible solution to this need to relay transmitted surveillance signals to fixed or mobile receivers located discreetly away from the surveillance area. The SC 205BP hardware is installed within a common backpack that can be worn during an operation or placed unobtrusively at the area of interest.

### SC 205BP Features



- Crystal controlled narrow band FM (150 - 174 MHz)
- Rechargeable battery pack
- Compatible with all VHF FM SpectraTek transmitters/receivers
- Built-in integrated antenna duplexer
- 6 hours continuous operation
- Rugged hardware mounted in a weatherproof backpack
- 12-VDC vehicle power adapters
- Headset output for monitoring
- Built-in PTT mic to activate/use/verify repeater operation (optional)
- CTCSS / Scrambling (optional)

The SC 205 Repeater can be disguised in many common packages such as a gym bag or carry all.



### SPECIFICATIONS

RECEIVER		TRANSMITTER	
Frequency Range	150-174 MHz VHF band	Frequency Range	150 -174 MHz VHF band
Sensitivity	-118dB ~ 12dB SINAD	RF Power Output	2 watts minimum
Selectivity	Adjacent channel rejection @ ± 12.5 KHz better than 45dB	Frequency Stability	± 10 ppm (.001%)
Spurious Response	Rejection better than 60dB in band, 70dB out of band	Spurious and Harmonics	> 70dB below carrier
Squelch	Carrier/CTCSS Tone (optional)		
SYSTEM			
RF Mode	Frequency Modulation	Antenna	Wire antenna,( magnetic-mount vehicle antenna optional)
Modulation	5 KHz	Dimensions	Transceiver: 14"L x 7"W x 1"H housed in a standard size backpack
Operating Temperature	-20 C to +60 C	Audio Headset	10dB, line-level output