



DC708S/DC718S

# Handheld Monitoring Receiver

DC708S:9KHZ-6.3GHZ

DC718S:9KHZ-20GHZ



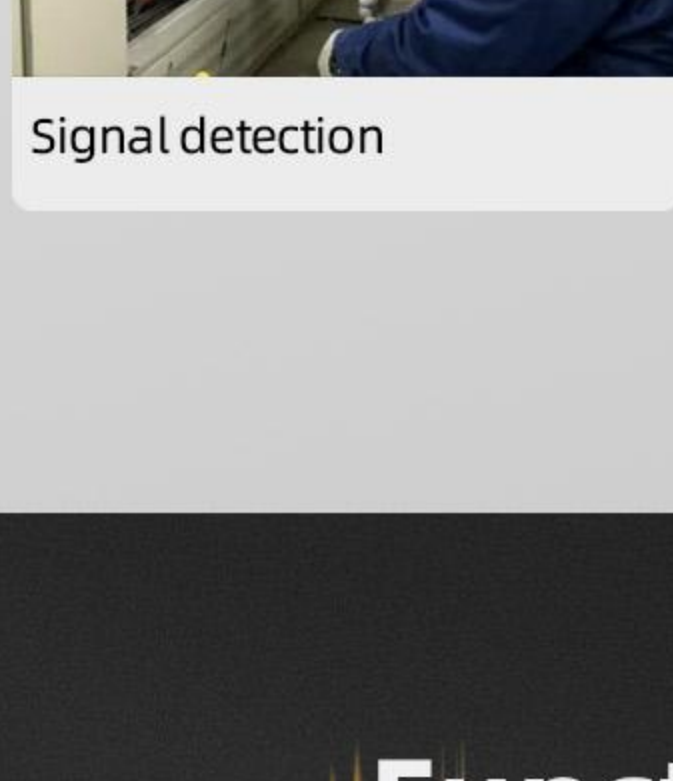
## System Overview

TFN DC708S/DC718S handheld spectrum monitoring receiver is designed for tasks such as signal search, radio monitoring, spectrum detection, interference verification, signal analysis, demodulation identification, monitoring and direction finding, etc., and has excellent protection performance.

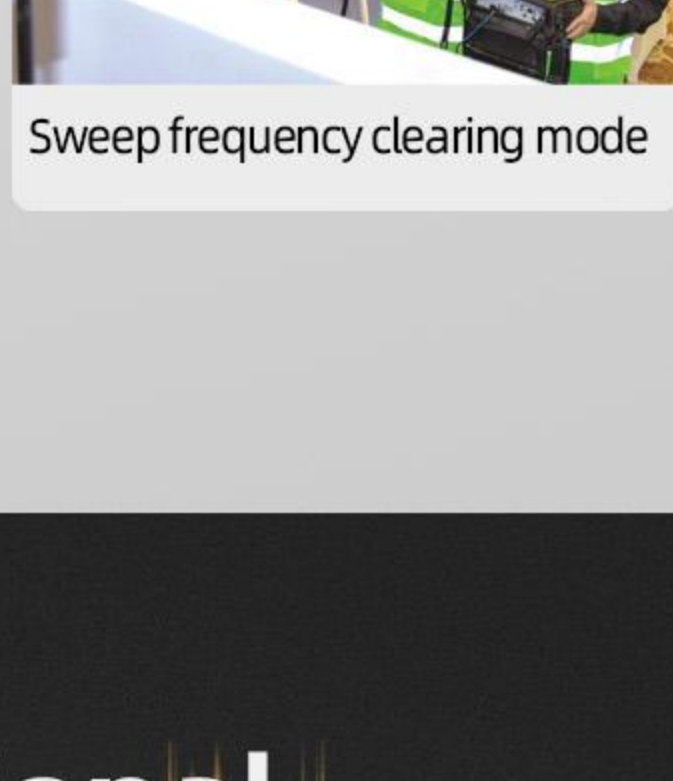
The product adopts a handheld structure, the spectrum can cover 40GHz, 10.1-inch touch screen, built-in electronic map, and directional antenna can scan, monitor and analyze the target signal, and find the direction. It is widely used in electromagnetic signal monitoring, radio management, interference source search and other related fields.

WIDELY USED

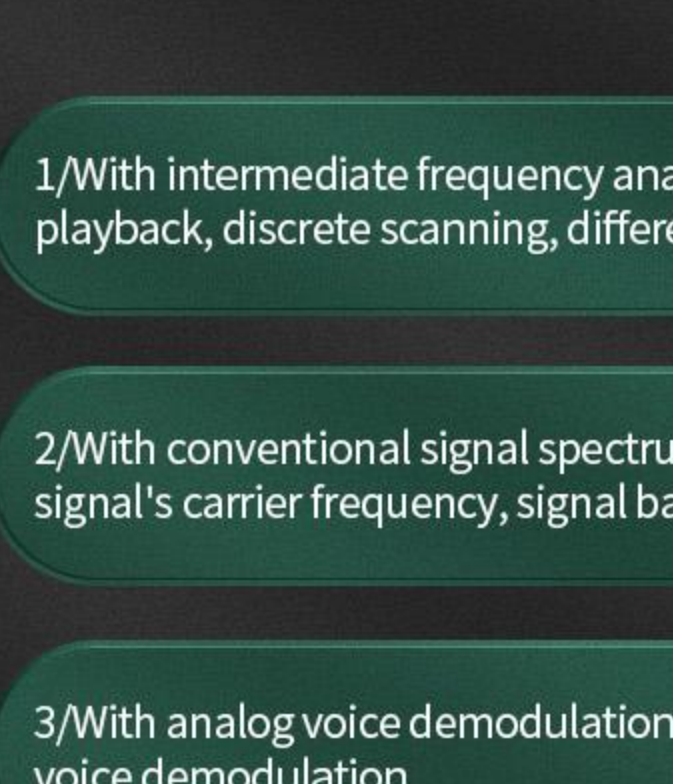
## Functional Indicators



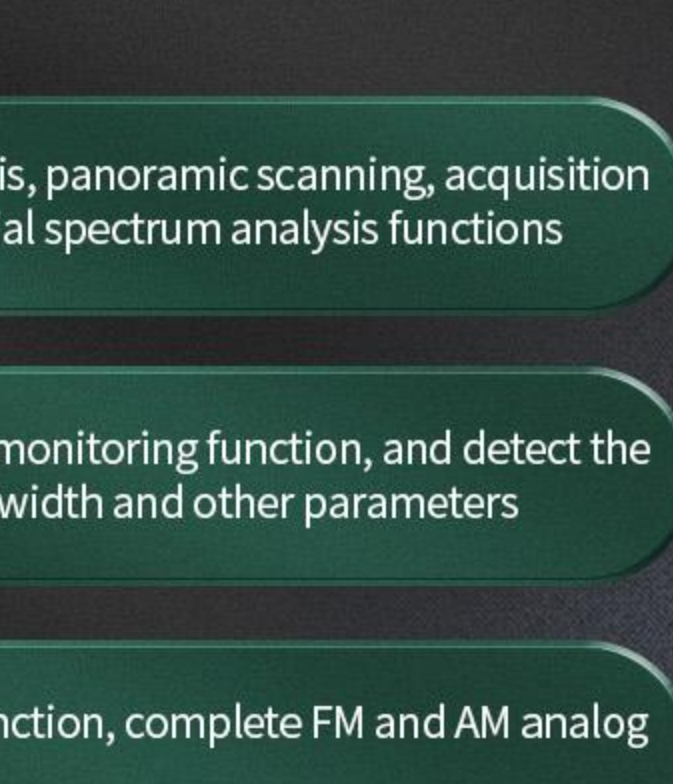
Equipment interference



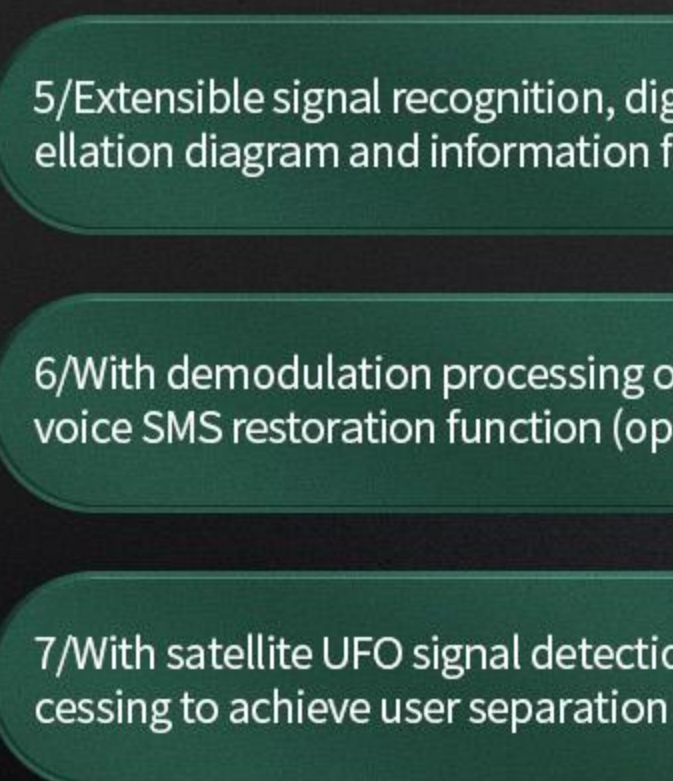
Electromagnetic environment monitoring



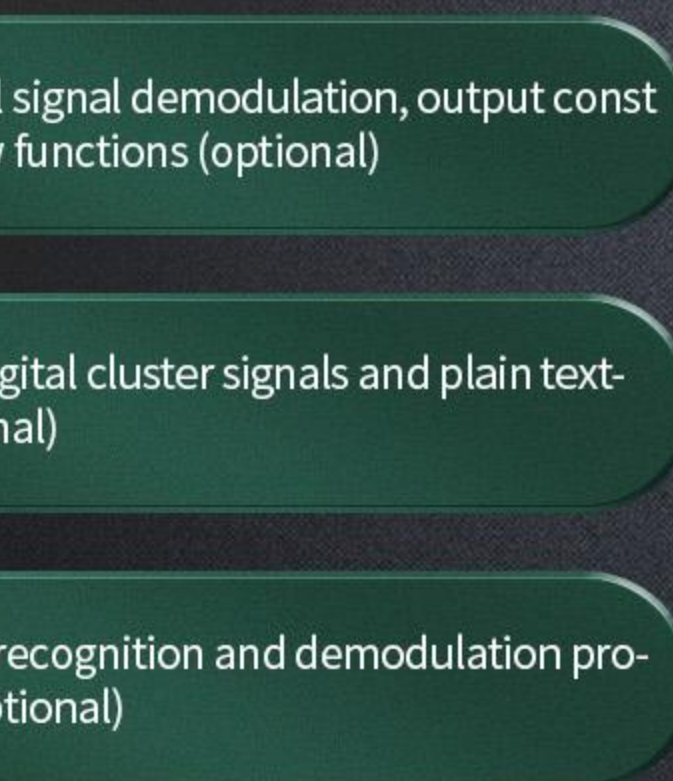
Interference query



Shielding test



Signal detection



Sweep frequency clearing mode

## Functional Indicators

- 1/With intermediate frequency analysis, panoramic scanning, acquisition playback, discrete scanning, differential spectrum analysis functions
- 2/With conventional signal spectrum monitoring function, and detect the signal's carrier frequency, signal bandwidth and other parameters
- 3/With analog voice demodulation function, complete FM and AM analog voice demodulation
- 4/Large-capacity battery, power supply time can reach more than 4 hours
- 5/Extensible signal recognition, digital signal demodulation, output constellation diagram and information flow functions (optional)
- 6/With demodulation processing of digital cluster signals and plain text-voice SMS restoration function (optional)
- 7/With satellite UFO signal detection, recognition and demodulation processing to achieve user separation (optional)
- 8/With electronic map, GPS/BD positioning, directional antenna, meet the target source search and direction finding functions (optional)

## Performance Indicators

### General Indicators

- Frequency range: dc708s:9KHz-8G dc718s:9KHz-20GHz
- IF bandwidth: maximum 100MHz, Scanning speed: up to 200GHz/S
- Phase noise: -102DBC/Hz@10KHz (1GHz carrier)
- Detection mode: normal, sampling, positive peak, negative peak, RMS
- Analog demodulation: AM, FM, WFM, NFM, USB, LSB, CW
- Interface: IF output, GPS, LAN, USB, RF input, power input, serial port, headphone port  
Structural size: ≤350x250x65 (MM)
- Battery life: ≥3.5 hours
- weight: ≤3.8KG


### Optional Indicators

- Digital demodulation: ASK, FSK, BPSK, QPSK, 8PSK, 16QAM, 64QAM, etc.
- Signal analysis: TETRA, DPMR, DMR, 182A, HAVEQUICK, etc.
- Direction finding system: amplitude comparison direction finding system, direction finding accuracy: ≤1° (RMS)

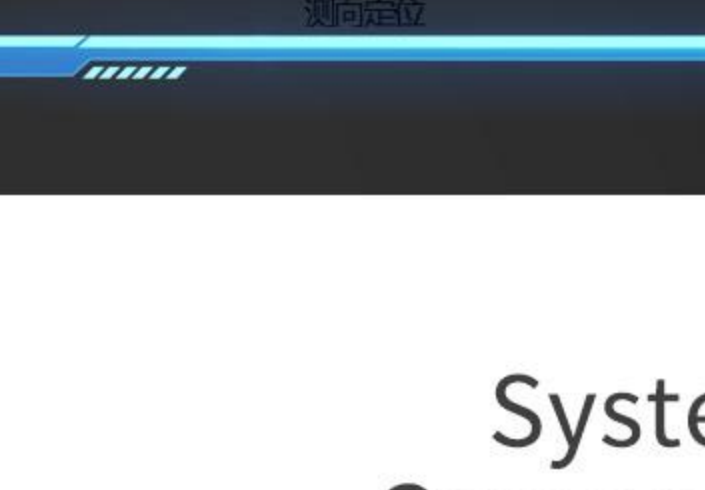
## System Function



**Intermediate frequency analysis**



**Signal analysis**

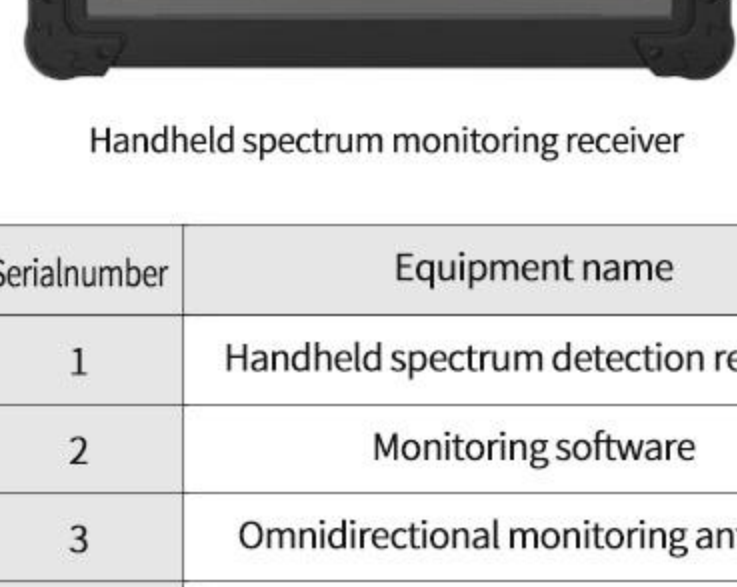


**Panoramic scanning**

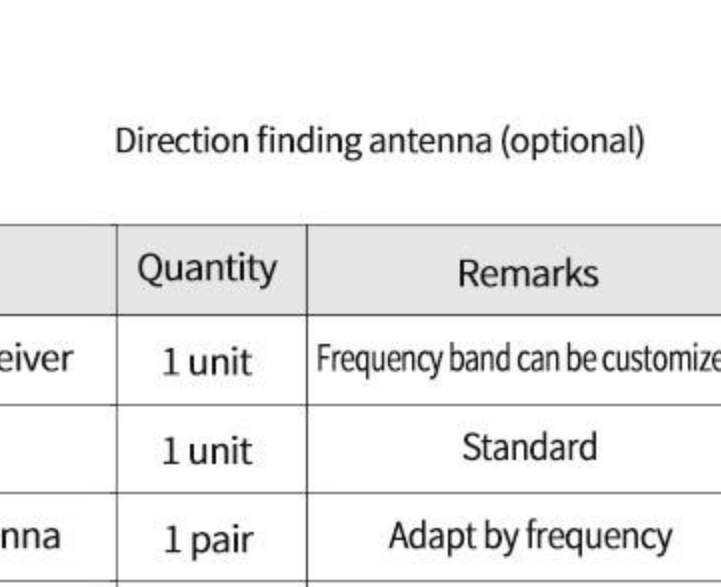


**Lateral positioning**

## System Composition



Handheld spectrum monitoring receiver



Direction finding antenna (optional)

SerialNumber	Equipment name	Quantity	Remarks
1	Handheld spectrum detection receiver	1 unit	Frequency band can be customized
2	Monitoring software	1 unit	Standard
3	Omnidirectional monitoring antenna	1 pair	Adapt by frequency
4	Side antenna	1 set	Optional according to frequency band
5	Analysis kit	1 unit	Optional