

DN series products working principal description

By the Doppler effect caused by radar echo when human moving DN series products could tell Whether there is beings and the body's concrete positional information. The product adopted ultra-wide band (UWB) radar non-contact life feature extraction technology. It can penetrate the nonmetallic medium (clothes, brick wall, ruins, floor, other covers and so on), without any electrode or contacting beings with sensor, then detect the vital signals (breath, palpitation, motion) in the far distance, and measure the distance and the location accurately.

The product consists of radar host and PDA. The host emits electromagnetic waves to predetermined space that when the waves meet the target, it will be reflected by the target and received by the host. The host processes the received signal and analyzes the vital signs existed in the predetermined space. The operator remote control the host with PDA, and PDA can connect the host through WIFI to communicate.