

HIVISION CO.,LTD

Technical Description of Main unit (PWS700B)

CPU section:

The unit contains a powerful CPU (multimedia application processor) U3, Which controls the whole unit, a WiFi MODULE wireless data transceiver sends WiFi MODULE signals to and receives Wireless routers signals from remoter. A 40MHz crystal (R80, C70 and U1) provides a time base signal for the CPU. CPU detects many trigger inputs to protect the car: car ignition key is turned on (U7 and its related components), shock sensor (U12, U7 and its related components) detects shock or tilt, CPU provides electronic locking mechanism to prevent the car from being stolen, The unit provides a driving output (U7 and its related components) to cut the oil pump.

WiFi section

WiFi MODULE is a UHF wireless data transmitters and receiver, CPU controlled it through port USB,U1 and U7, and its related components compose WiFi MODULE power amplifier when transmitting. U1,U7 and its related components compose low noise amplifier when receiving.

WiFiID section

The 2.4GHz signal generated by U7, will be amplified by amplifier net (including U7 and etc.) and radiated by antenna net (including SW1).