

# CELLPHONE DETECTOR **TRANSIT HOUND**

**CELL PHONE DETECTION FOR DISTRACTED OPERATORS**



- Ruggedized all-weather receiver
- Detect all types of cell phones
- Mounts anywhere discreetly



**PREVENT ACCIDENTS**



- Trigger remote camera or DVR
- Time-stamped alerts
- Lower insurance & accident rates

**DETECT CELL PHONES**



**AVERT DISASTER**

- Receiver only detects cell phones
- Keep your operators in check
- Legal & much safer than RF jamming



**Freight Trains • Mining Operations • Mass Transit • Heavy Machinery • Fleet Vehicles • Shipping Docks**

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## CELL PHONE DETECTION FOR DISTRACTED OPERATORS

### RF SPECIFICATIONS:

#### U.S. BANDS

LTE Uplink 699-716 MHz  
LTE Uplink 777-787 MHz  
LTE Uplink 788-798 MHz  
824-849 MHz  
896-901 MHz  
AWS Uplink 1710-1755 MHz  
1850-1910 MHz  
2305-2315 MHz

#### INTERNATIONAL BANDS INCLUDE

EU  
Australia  
New Zealand  
Israel  
Sweden  
Brazil  
Japan  
Canada  
Taiwan

EUDD 832-862 MHz  
EGSM 880-915 MHz  
DCS 1710-1785 MHz  
IMT 1920-1980 MHz  
IMT-E 2500-2570 MHz

Check with our sales team to include your country's band selection including a custom set of bands

**RADIUS OF COVERAGE AREA** 75 feet (~25 meters) under typical conditions

**DYNAMIC RANGE** 60 dB

**SENSITIVITY** -83 dBm

**DETECTOR RESOLUTION** 2 dB

**BANDWIDTH RESOLUTION** 4 MHz / 20 MHz

**SELECTIVITY REJECTION** >50 dB @ 1 MHz from uplink band edges

**RECEIVING MODES** High-speed scanning (uplink cellphone bands)

**ANTENNAS SUPPORTED** Omni-directional (monopole antenna with external SMA connection)

**ELECTRICAL INTERFACES** Serial RS-232 port (USB cable included), Dry Contact, DC Supply, Ground

**POWER SOURCE** 10-50 VDC

### TransitHound Cell Phone Detector Advantages:

- Receiver design boasts a dynamic range of 60 dB with user selectable sensitivity
- User selectable sensitivity from -80 dBm to -50 dBm with a resolution of 2dB for detection in a noisy environment
- Selectivity: rejection of at least 50 dB at 1 MHz from the uplink frequency bands provides high immunity from false triggering caused by base stations, personal communication devices and other sources of interference
- RS-232 port using USB cable to set up and control the detection parameters as well as real time cell phone activity or to download recorded measurements to a PC for further analysis
- User selectable USA & International mobile uplink bands are supported
- Weighs less than 1 lb. (10 oz.)

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