



Mobile Device Detection

Detect devices that receive or transmit cellular information in the cab of a locomotive with Wi-Tronix Mobile Device Detection. Through the use of the onboard Violet platform, high definition cameras, and highly-trained Deep Learning algorithms, what once was a manual, hours-long task of sifting through videos is now an automated alert.

Upon detection, customizable rules are applied to determine if a safety violation has occurred. If found to be the case, a log is generated and a notification that includes duration, a visual map, and geofence zone is sent to the appropriate individuals.

Specifications:

- Detect an inbound or outbound phone call or phone usage
- Identify the presence of a portable mobile device-based Wi-Fi Hotspot
- Data transmission
- Sensitivity = -80 dBm
- Dynamic Range = 60 dB
- Automatic locomotive Digital Video Recorder (LDVR) downloads (inward crew safety cameras and still images)

Long-term benefits:

- Decrease incidents caused by distracted operation of a locomotive engineer/operator
- Receive customize real-time alerting on possible violations of mobile phone policies
- Reduce the risk to both public and railroad personnel
- Have access to historical tracking for compliance

Wi-Tronix does not record personal phone calls, text messages, or data related to Internet access. We detect RF in the cellular frequency range and use advanced visual intelligence techniques to determine if a device is in use in the cab of the locomotive.

Visit www.wi-tronix.com or contact us at sales@wi-tronix.com for more information.



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