



SIR[®] 30

The SIR[®] 30 is GSSI's high performance, multi-channel radar control unit. This system is available in a two, four, or eight channel configuration. Each channel can transmit at a rate of up to 800 KHz, and can collect all channels of data simultaneously with uncompromised performance.

The SIR 30 Advantage

The SIR 30 offers advanced filters and display capabilities for real-time processing including migration, surface positioning, signal floor tracking, and adaptive background removal. As the basis of a high-speed data collection system, the SIR 30 is ideal for measuring pavement layer thickness, detection of cavities, airport runway assessment, detection of fouled/clean ballast and utility detection.



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| <p>NUMBER OF CHANNELS</p> <p>2, 4 or 8</p> | <p>ANTENNA COMPATIBILITY</p> <p>GSSI Analog Antennas</p> |
| <p>WEIGHT</p> <p>2 Channel: 8.4 kg (18.5 lbs.) 4 Channel: 9.4 kg (21 lbs.) 8 Channel: 18.8 kg (41 lbs.)</p> | <p>STORAGE CAPACITY</p> <p>2 Channel: 250 GB 4 Channel: 500 GB 8 Channel: 1,000 GB</p> |
| <p>OPTIONAL SOFTWARE</p> <p>RADAN 7</p> | <p>ACCESSORIES</p> <p>8 Channel Sync Kit</p> |

SIR 30 FEATURES

Versatile Unit

The SIR 30 has numerous mounting configurations depending on how it is needed for each job and work environment. This system has full internal GPS capability, USB, and ethernet ports for full data transfer.

Deliver Results

The SIR 30 was designed for high-speed GPR data collection and is capable of more than 5,792 scans per second across four channels.

Rugged Design

The SIR 30 is built with an aluminum exterior and rubber bumpers, and sized for vehicle rack mounts. For operation in harsh environments, GSSI created the SIR 30E, a modified version of the SIR 30 controller. The SIR 30E can collect up to two channels of data.

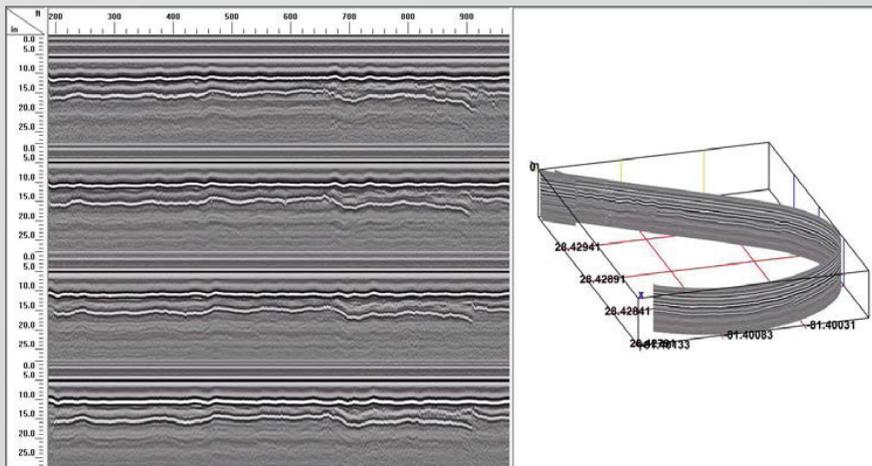
TYPICAL USES

- Road Structure Assessment
- Utility Designation
- Bridge Deck Inspection
- Rail Bed Inspection
- Mining Inspection

FCC, RSS-220 and CE Certified

DATA VISUALIZATION

The SIR 30 is designed with a modern user interface and custom remote controls, and is suited for sophisticated applications. It can be operated with a customer provided laptop or as a stand-alone system with a monitor and a keyboard. Data can be viewed in real-time or exported for additional processing.



Data illustrates a SIR 30 four channel Horn antenna file. GPS coordinates were collected and are shown on the right side of image.



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