

Routescene

Intergraton of GripTester and Routescene

In collaboration with Findlay Irvine, another Road Expo exhibitor, there has been a succesful intergration of the grip tester and routescene. This allows geo-refernced video to be recorded simultaneously as skid resistance. All information is recorded in one place making subsequent post-processing and review a much simpler and straight forward task. Furthermore, the post-survey analysis of the skid resistance is much enhanced as high resolution visual information is now instantly available along any part of the pavement under review.

Innovative GPS-aided INS sensor for the GPScamera

The addition of a GPS-aided INS sensor to the GPScamera will not only provide highly accurate roll, pitch and heading information, but also ensure that position information is contineoulsy available. The GPS-aided INS sensor uses an internal Kalman filter to merge the INS (gyro and accelerometer) data with the GPS position data to provide extremely stable and accurate position information at a much higher update rate - up to 100 Hz - than is possible with stand alone GPS. A continuous stream of periods when GPS satellites are obscured by urban canyons or foliage, ensuring minimal downtime and loss of data during a survey.