

**Automated Track Inspection System
with Video Recording, GPS
Correlation and Integrated
Oscillation Monitoring System for
(RA)**

Total Solutions Bhopal 0755-4271561

Short Description

- The inspection window is on one side of the RA. On one way of your inspection you can see the track and other installation but while returning, a lot of time it is not possible to turn the coach. We have two cameras, one mounted at the inspection window and other at the kitchen side. So while returning you can do inspection on TV installed in main room.

The Need

- Inspection needs to be visually recorded
- The records need to be accurate
- The visuals need to be Geo Tagged (GPS)
- Inspection needs to continue even when coach is wrongly turned to maximize efficiency
- Inspection goes on even while you may be distracted with other administrative work

The Solution

Date 14-2-2018--Time 14-7-24.mkv - VLC media player

Media Playback Audio Video Subtitle Tools View Help

InspectionCam

Last Peak: last Vert peak

Lat 0.100 g at Km Post; 2/0

Vert 0.100 g at Km Post; 2/0

Ride Index

RI LATRAL 8.588

RI VERTICAL 8.157

2

107

Km/hr

[34370 frames, 33.326 fps]

| | |
|--------------------|---|
| 14-2-2018 14:24:38 | |
| 25.343157 | 9 |
| 82.817324 | 1 |

2/1

2/0

+/-0.20 G

+/-0.20 G

16:11

Start Video Internet Explorer VLC TeamViewer Date 14-2-2018--T...

TeamViewer

Free license (non-commercial use only)

Session list

NEEL-LAPPY (761 423 299)

www.teamviewer.com

1:32 PM 23-02-18

The Product

- 2 x HD Camera



Permanently Mounted GPS



OMS

- Real time GPS correlation with RDPS
- RDSO approved algorithm and sensor placement
- Ride Index
- Real Time Graph of Lateral and Vertical Acceleration
- Location of Last peak
- Speed

Components

- 2x HD Industrial Camera
- MEMS acceleration sensor
- 5 Hz GPS
- Very accurate sensor sampling rate
- Server grade PC with no moving parts (SSD)
- Complete system Integrated on Ethernet
- Permanent Mount Antenna IP67

What you get

- HD Video of complete screen 1920x1080 @30fps
- Various reports of OMS