

DACS for IR DIAL LASER for LIDAR data processing

Year of Implementation : - (2014-2015)

Client and Location: - Lastec, DRDO, New Delhi

Project Summary:-

- The installation of Rack Mountable industrial computer and 19" Rack
- Mountable LCD Monitor with 1U keyboard drawer.
- Installation, Testing of DACS modules.
- Fitment of all existing power supply modules of OPO Laser and Telescope & Pan Tilt system in the RACK.
- Proper harnessing of all Fitted Equipment with in the Rack.
- All wiring conducting and routing of all cables.
- **Using Advantech Mega Sample High Speed PCI DAQ Card.**

"LIDAR data processing software" Development on Labview Platform

- Control the laser and Pan Tilt operation
- Develop the Front end screen to interface
- Integrate the DACS module and Laser Controller and Pan/Tilt Unit
- Develop the PRE and POST analysis.
- Data logging with respect to specified experiments
- Report generation