The OETS-206 is a highly accurate mobile tracking platform capable of meeting today’s demanding requirements for optical tracking system performance.

OETS-206

The OETS-206 consists of a mobile tracking platform with optical sensors, pedestal, and mobilizer and a mobile control shelter providing local control of the tracking mount. Remote control is provided via network interface. The mobilizer includes a suite of tracking sensors mounted on a highly accurate and stable tracking pedestal. Integrated into the mobilizer is a Digital Video Recorder capable of gathering data and images from the sensors and transmitting the real-time images to the local and remote consoles. The mobilizer also includes a Track Mount Computer (TMC) providing control of the pedestal and sensors. Next generation optical tracking system Rapid relocation, setup and auto-calibration Long range remote control via network Local digital video recording (analog or digital input) Encoder, range, time, cal and status per frame Real-time digital video streaming and playback 150 milliseconds video latency to console Quick-look mission data to data center via network OETS-206 control can be provided via local and/or remote console.

KEY FEATURES

- Next generation optical tracking system
- Rapid relocation, setup and auto-calibration
- Long range remote control via network
- Local digital video recording (analog or digital input)
- Encoder, range, time, cal and status per frame
- Real-time digital video streaming and playback
- 150 milliseconds video latency to console
- Quick-look mission data to data center via network
TYPICAL SYSTEM CONFIGURATION

OPTICAL TRACKING MOUNT

Each OTM consists of:
- Mobilizer/Trailer
- Clam Shell Cover
- Tracking Mount
- Multiple EO Sensor Mounting Positions
- Level Sensor
- Tracking Mount Computer
- Digital Video Recorder 4-Channel (DVR)
- Cable Wrap with ±300 degrees of travel

DIRECT DRIVE MOTORS

Operator Console (remote/local)

SPECIFICATIONS

- Payload 1200 pounds
- Azimuth Travel: ±300 degrees
- Elevation Travel: -5 to 185 degrees
- Angular Velocity: 60 deg/sec
- Angular Acceleration: 60 deg/sec/sec
- Operating Temp: -30°C to +35°C

TYPICAL EO SENSORS

- Track Camera (Zoom)
- Metric 1 High Speed Camera
- Metric 2 Metric Camera
- Laser Range Finder
- IR Camera
- CW Doppler Radar
- Compact Tracking Radar
- Range Only Radar
- Laser Rangefinder