

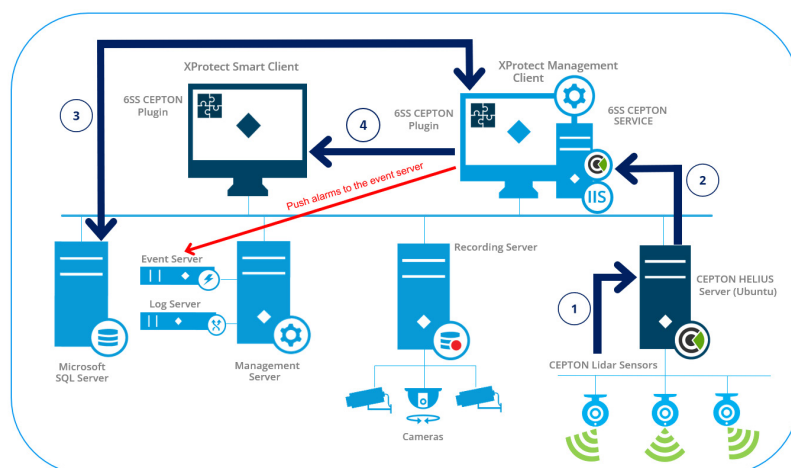
6SS CEPTON LiDAR® is a Light Detection and Ranging unit, a remote sensing technology that uses laser light to measure distances and create high-resolution 3D maps of objects and environments. CEPTON LIDAR® provides state-of-the-art, intelligent, LIDAR-based solutions for a range of markets such as autonomous driving, ADAS, intelligent traffic systems, security, crowd analytics, and industrial robotics.

6SS innovation has led us to integrate LiDAR® technology with 6SS GetFace® (6SS facial recognition technology) and 6SS ANPR® (Automatic license plate Recognition) to serves in various applications like traffic and highway management, tracking with Facial Recognition solutions, crime prevention, detection of stolen items, and many more. 6SS LIDAR® integrates with all of the Milestone XProtect Plus family creating an autonomous system with Reports and Statistics which can accessed, directly, from the Smart Client interface.

Data Flow

1. 6SS CEPTON LiDAR® sensors emit laser pulses which are 6SS CEPTON LiDAR® sensors emit laser pulses that reflect off objects in their path. The reflected pulses are detected and processed using time-of-flight measurements to calculate the distance to those objects. This data is then streamed to the Helius Server.
2. The CEPTON Helius Server processes the incoming data in real-time and forwards the analyzed information to the 6SS CEPTON service installed on the Management Client.
3. The data is inserted into the SQL Server database, enabling multi-threaded and multi-streamed communication between the SQL Server and the Management Client plugin, which fetches data as needed.
4. The Smart Client Plugin retrieves and displays the requested data from the Management Client Plugin, while the Web Browser offers access to the XProtect Smart Client and Management Client Plugins via a web interface.

* 6SS CEPTON service pushes alarms to the Event Server .



Functionality

The Helius Smart LiDAR® System combines Cepton's state-of-the-art, patented, MMT® LiDAR® technology with edge computing and ground-breaking perception software, to provide intelligent, anonymized 3D perception. With its real-time, accurate object detection, tracking and classification capabilities, Helius helps drive intelligent decisions to transform smart cities, smart spaces and beyond. Its fully anonymized data maximizes privacy protection, making it ideal for a wide range of public and private venues.

6SS plugin combines the power of the Milestone platform and CEPTON LIDAR® technology to ensure a fully secure environment. All the results will be sent and displayed on the Smart Client.

Main Benefits

- Cost effective solution
- User-friendly interface & easy configuration
- High Processing speed saves time and improve efficiency
- High accuracy
- Enhanced Security & Safety
- Very High refresh rate
- Seamless integration
- Centralized control through the Smart client.
- Multiple applications and use cases; and
- Customized features upon request

LiDAR Features

- 6SS LiDAR® technology is integrated with 6SS ANPR® Solutions (Automatic license plate Recognition).
- 6SS LiDAR® technology is integrated with 6SS GetFace® Solutions (Facial Recognition).
- Integrated with All Milestone XProtect versions.
- Accessed from the Smart Client interface.
- The plug-in only supports English.
- Integrated with Milestone XProtect Corporate, Expert, Professional+, Express+ and Essential+.
- Configured from the XProtect Management Client.
- Ability to view a live Map of sensor tracking software in the XProtect Smart Client Live tab.
- Slew to Cue PTZ Camera Tracking.
- Event Alarms and triggers generated by the sensor are shown in Smart Client.
- Two-way communication with the Sensor system using the API.
- Charts and Statistical reports based on live data gathered from the sensor.
- Ability to filter reports by date and time.

Additional Features

- **Performance**
Accurate, 3D objects detection
- **Scalability**
Multi-LiDAR® aggregation, extendable over large areas, configurable perception zones.
- **Reliability**
24/7 availability, rugged LiDAR® design with environmental protection.
- **Privacy/Efficiency**
Real-time, anonymized, low-bandwidth data output.
- **Powerful**
LiDAR® illumination control combined with sophisticated detection engine.
- **Innovative**
State-of-the-art signal processing maximizes range and minimizes noise.
- **Inexpensive**
Low cost, low power design, seamlessly integrated into a proprietary micro-optical array.

Applications



Smart Cities



Smart Spaces



ADAS

Advanced Driver Assistance



Smart Industrials



Autonomous Vehicles (AV)

Business Value

The age of Lidar is here. 6SS strives to make LiDAR® technology a key enabler of smart systems, we've always believed that safety comes first. Our 6SS vision of how lidar could become an essential safety sensor in many security solutions and applications.

At 6SS, we are dedicated to delivering cutting-edge smart solutions. Our commitment to innovation has led us to integrate LiDAR® technology with 6SS GetFace® (6SS facial recognition technology) and 6SS ANPR® (Automatic license plate Recognition). The result is an advanced, highly accurate, and reliable solution that offers exceptional performance in a variety of applications, including security and surveillance, Smart cities, border control, and law enforcement. We invite you to discover the power of our innovative solutions and experience the difference they can make.