

FLEET SURVEILLANCE SOLUTION





ABOUT NORDEN

Headquartered in the UK, Norden combines and brings British quality with International standards to the global market. Norden extends tested electrical and optical solutions that cater to the requirements of a wide spectrum of industries like telecommunication, building, industrial, and utilities. With our varied product offerings, we are expanding into newer markets. Norden has developed an enviable reputation for supplying cables and accessories to a wide-ranging client base. We operate in the global markets offering comprehensive service and local knowledge.

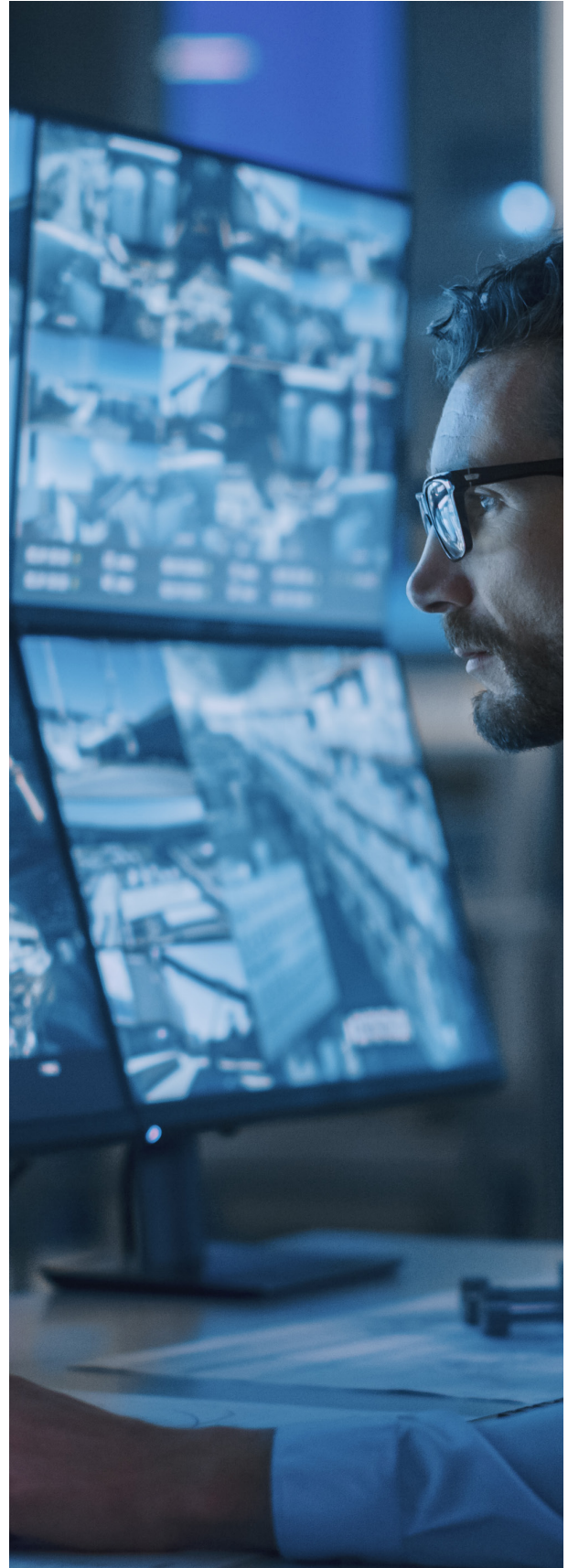
Central to our philosophy is the recognition that our performance is critical to our customer's success. Our leading end innovative developments and solutions deliveries help our customers to be one step ahead in their competitive markets. The quality management system by our dedicated quality assurance team is ISO 9001 approved.

All our cables and products are rigorously tested and are fully certified with test documentation with international standards. We bring new and innovative products with the required approvals to meet our customer's ever-changing requirements to keep abreast with the fast-changing technology and market competition. Specialists from our organization work closely with our customers to offer solutions made to their requirements.



NORDEN SURVEILLANCE SYSTEMS

Norden Surveillance specializes in IP video surveillance, dedicated to providing a comprehensive range of IP cameras that cater to the dynamic needs of the surveillance market. With a strong focus on customer aspirations and needs, Norden Surveillance brings high-performance surveillance products to the market that meet current demand. The wide range of Norden Surveillance solutions complies with NDAA policies, offering globally trusted, NDAA-compliant products as a reliable solution for surveillance challenges. Our latest products incorporate advanced features such as H.265 compression and low-light support. Norden Surveillance is committed to excellence by integrating sustainable development and innovation in all aspects of the business.



NEED FOR FLEET SURVEILLANCE & SECURITY SYSTEM

Norden Fleet Surveillance Systems enhance safety, accountability, and efficiency in the public sector. They deter crime, protect passengers, and assist emergency response with real-time data. The systems integrate ADAS (Advanced Driver Assistance Systems), DSM (Driver Status Monitoring), and BSD (Blind Spot Detection) to ensure vehicle functionality and security. This technology supports safer transit, builds public trust, and ensures compliance across all public and service vehicles



BENEFITS OF NORDEN FLEET SURVEILLANCE SOLUTION

DRIVER STATUS MONITORING

Driver status monitoring enhances road safety by continuously assessing driver behaviour and alertness. It detects signs of fatigue, distraction, or unsafe driving practices, providing real-time alerts to prevent potential accidents. By ensuring drivers maintain optimal focus and adherence to safety protocols, it not only reduces risk but also improves compliance with regulatory standards, ultimately safeguarding both drivers and organizations against liability.

ADVANCED DRIVER ASSISTANCE SYSTEMS

ADAS with Norden enhances vehicle safety and operational efficiency. By combining real-time video surveillance with ADAS features like collision detection, lane departure warnings, and emergency braking alerts, it provides a comprehensive solution for monitoring driver behaviour and road conditions. It reduces accidents but also supports fleet management by recording crucial data for incident analysis, driver performance, and regulatory compliance.

BLIND SPOTS AND REAR-END COLLISION

Blind spot and collision prevention systems improve safety by helping drivers avoid accidents. Real-time rear-view monitoring gives a clear view behind the vehicle, while collision alerts prevent crashes. Enhanced parking assistance makes parking safer, and incident documentation records important events for future reference.

PASSENGER SAFETY AND SECURITY

Continuous monitoring of passenger behaviour helps ensure safety and prevent disturbances, while deterring criminal activities. It also allows for evidence collection in case of incidents, aiding in resolution, and ensures compliance with safety regulations to maintain a secure environment.

NORDEN SOLUTION - DEPLOYMENT

Norden's mobile surveillance provides a layer of protection and accountability, benefiting drivers, businesses, and passengers alike by promoting safer driving practices, reducing risks, and enhancing operational efficiency.

Norden mobile surveillance and security systems in public sector vehicles like buses, police cars, trucks, school buses, and trains improve safety and efficiency. These systems provide real-time video monitoring, helping to respond quickly to incidents and prevent accidents. They include features like incident detection, collision alerts, and GPS tracking for better route management. The cameras collect evidence to resolve disputes, support legal claims, and ensure safety regulations even during the night.



NORDEN SOLUTION BEST FITS



Commercial Vehicle



Public Transport



School Bus



Taxi



Police



Mass Rapid Transit



Mass Transit Railway

NORDEN SOLUTION FOR
MONITORING AND
ENHANCING THE SURROUNDINGS

SOLUTION DEPLOYMENT

PUBLIC TRANSPORT

Norden's mobile surveillance solutions for public transport, are designed to enhance passenger safety, improve operational efficiency like monitoring of passenger behaviour, real-time monitoring capabilities, incident detection, collision alerts to the driver with the help of vehicle cameras. These solutions typically include high-definition cameras, mobile DVR/NVR systems, and GPS integration for continuous tracking, monitoring the vehicle.



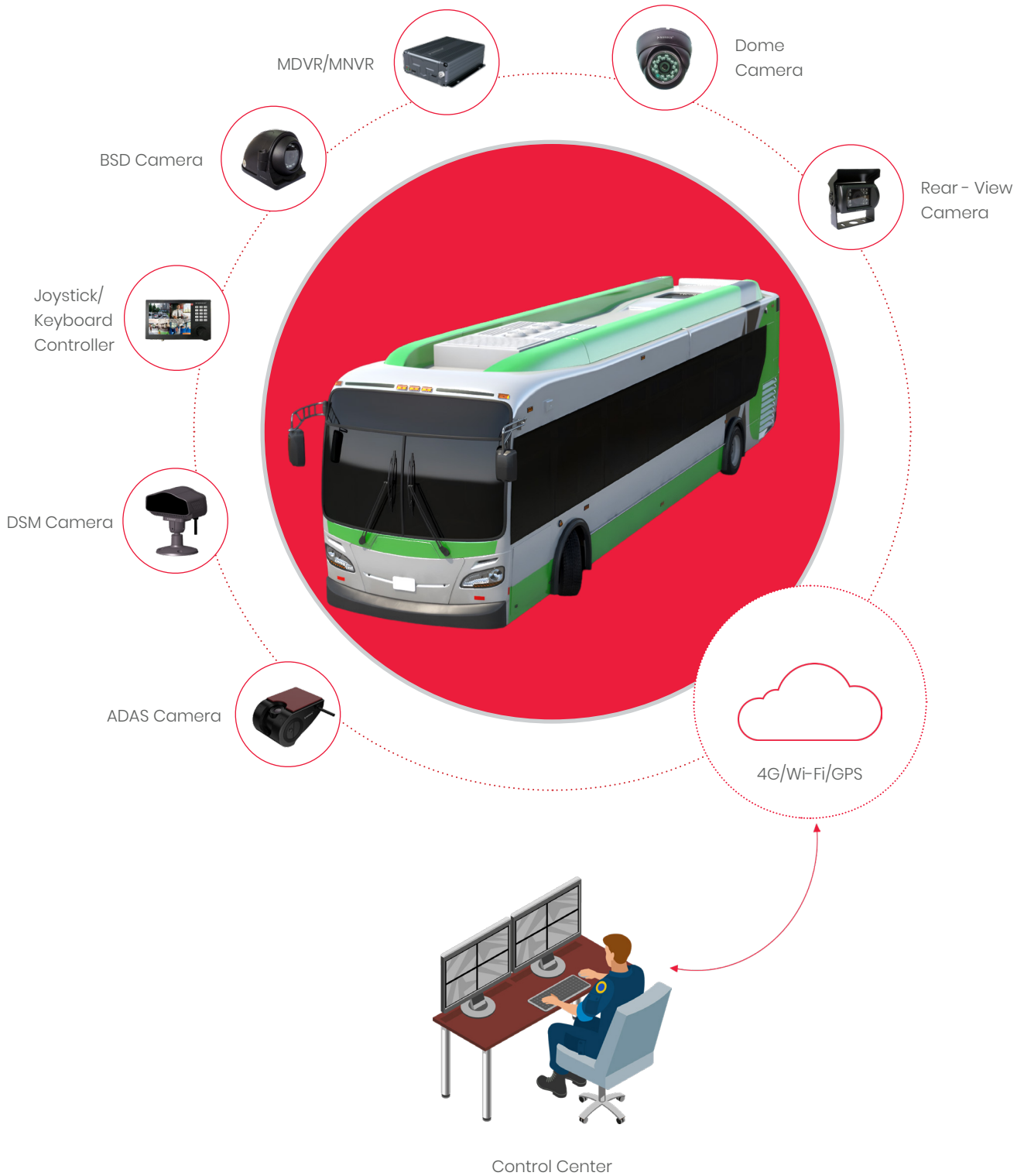
SOLUTION DEPLOYMENT

LAW ENFORCEMENT

Norden's mobile surveillance solutions for police vehicles are designed to enhance law enforcement operations by providing real-time monitoring, secure data storage, and situational awareness during patrols. These systems combine high-resolution cameras, onboard recording, and wireless connectivity to help officers manage incidents effectively and safely. Norden's mobile surveillance in police vehicles improves operational efficiency, provides valuable evidence for legal proceedings, and enhances the safety and accountability of law enforcement personnel.



SOLUTION STRUCTURE



NORDEN SOLUTION FOR MONITORING AND ENHANCING THE SURROUNDINGS



DOME CAMERA

- 2MP cameras deliver crisp and clear video quality, ensuring reliable surveillance in any environment.
- Dome cameras provide continuous surveillance, enhancing the safety and security of passengers.
- Real-time video feeds allow operators to monitor onboard activity, ensuring a secure environment.
- Electronic monitoring systems help ensure compliance with safety regulations.
- Real-time monitoring helps maintain less crowded environments and social distancing.
- High-quality video recording helps capture and document incidents, aiding in investigations and improving overall security.



REAR VIEW CAMERA

- 2MP cameras produce sharp, clear video, ensuring effective and reliable surveillance in any situation.
- Provides clear and comprehensive views of the area behind the vehicle, significantly improving reversing and parking safety.
- Equipped with sensors that detect obstacles and provide real-time alerts to drivers, reducing the risk of collisions.
- Offers an extensive field of view to cover more ground and minimize blind spots, ensuring safer maneuvering.
- Features night vision capabilities to maintain visibility and safety in low-light or nighttime conditions.
- Displays parking views on the screen, assisting drivers in monitoring their surroundings and ensuring safer parking maneuvers.



VEHICLE PTZ CAMERA

- 2MP and 4MP cameras provide high-definition video quality with a powerful 100-120 IR range for exceptional performance even in low-light conditions.
- Offer wide-angle coverage, allowing for comprehensive monitoring of the vehicle's surroundings.
- Can zoom in on specific areas, providing detailed views for better assessment and analysis.
- Remotely controlled, enabling operators to adjust the camera angle and zoom as needed.
- Provide high-resolution video, ensuring clear and detailed footage for accurate monitoring.
- Can rotate 360 degrees, eliminating blind spots and offering complete situational awareness.



ADVANCED DRIVER ASSISTANCE SYSTEM CAMERA

- Helps drivers navigate challenging driving conditions more safely and effectively.
- Designed to assist drivers in the driving process, improving overall vehicle safety.
- Reduces the risk of human error by providing real-time alerts and corrections.
- Supports to maintain a safe distance from other vehicles and adjusting speed accordingly.
- Assists with lane keeping by detecting lane markings.



BLIND SPOT DETECTION CAMERA

- Real-time alerts help prevent potential collisions by monitoring blind spots.
- Improves driver's situational awareness, providing a clear view of areas not visible through mirrors.
- Reduces blind spots, helping drivers see other vehicles, pedestrians, or cyclists.
- Real-time data and alerts enable drivers to avoid accidents by detecting fast-approaching vehicles.
- Warns drivers of vehicles in adjacent lanes, ensuring safer lane changes.
- Reduces stress and uncertainty, leading to a more focused and relaxed driving experience.



DRIVER STATUS MONITORING CAMERA

- Constantly assesses and monitors the state and behavior of the driver to ensure safety.
- DSM technology analyzes various indicators such as eye movements, blinking patterns, head position, and driving behavior to detect any irregularities.
- Provides alerts and notifications to the driver when signs of fatigue or distraction are detected, helping to prevent accidents.
- Contributes to overall vehicle safety by ensuring that the driver remains attentive and focused.
- By detecting early signs of fatigue or distraction, DSM cameras enable the implementation of proactive safety measures, helping to prevent behaviors such as smoking, mobile phone usage, seatbelt violations, and ensuring the safety of both the driver and passengers



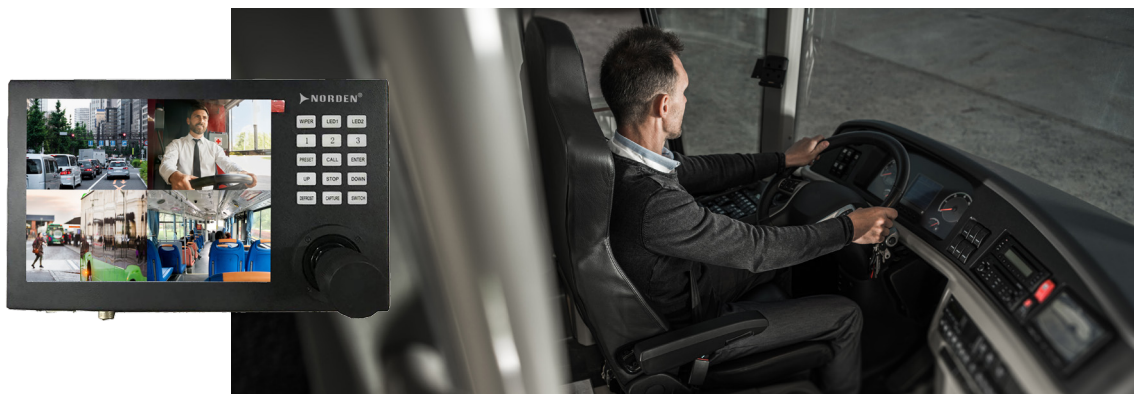
MOBILE NVR/DVR

- The compact MNVR/MDVR is ideal for recording and storing video footage in mobile environments.
- Engineered to withstand vibrations and shocks commonly encountered in mobile settings, ensuring reliable performance.
- Equipped with 4G, Wi-Fi, and GPS capabilities, ensuring seamless network connectivity and real-time tracking.
- Features two SD card slots and two hard disk slots, providing ample storage options for extensive video footage.
- Offering 4, 8, and 12 channels, these configurations ensure adaptable and efficient monitoring for a range of applications.



VEHICLE KEYBOARD CONTROL

- Features a High-resolution Display With AV/VGA Input For Clear Visuals and Real-time Monitoring.
- Supports Real-time Monitoring of Advanced Driver Assistance Systems (ADAS), Driver Status Monitoring (DSM), Blind Spot Detection (BSD) Camera and Vehicle Camera.
- 3D Joystick for Intuitive PTZ Control Ensures Precise and Quick Control of Vehicle-mounted PTZ Cameras.
- Provides Live Alerts and Notifications, Ensuring Responsive Action.
- Suitable for Emergency Vehicles, Logistics, and Fleet Management Systems.

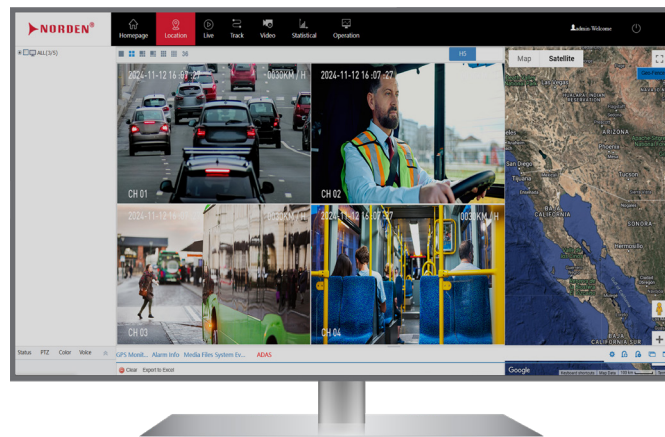


NORDEN FLEET MANAGEMENT : DRIVING SUCCESS WITH ADVANCED SOFTWARE

EYETRACK (SOFTWARE)

FEATURES

- Comprehensive Vehicle Monitoring
- Multi-screen Display
- Real-time Vehicle Status Updates
- Driving Behaviour Analysis and Early Warning
- Live GPS Tracking and Playback
- Map Mode
- Route Management
- Route History Playback
- Communication Flexibility
- Advanced Video and Audio Surveillance
- Real-time Audio / Video Playback and Download
- Automatic Data Transfer
- Alarm Prompting
- Dynamic Image Capture
- Multi-client Access Control
- Comprehensive Logging and Data Handling



EYETRACK (SOFTWARE)

FEATURES



Extensive Vehicle Monitoring



Record and Storage



Real-time Monitoring



Intercom Flexibility



Alarm Management



Navigation

EYETRACK PRO (MOBILE APP)

FEATURES

- Vehicle Real-time Video & Audio Recording
- GPS Positioning
- Object Index
- Vehicle Intercom and Broadcasting Function
- Snapshot and Storage
- PTZ Remote Control
- Real-time Monitoring
- Vehicle Alarm Status
- Remote Video Playback





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