



شركة ابتكارات حادة
Sharp Innovations
Innovating The Tech Experience

MDVR SOLUTIONS



OVERVIEW

The MDVR Solutions offered by Sharp Innvotech provide comprehensive, video-based visibility into vehicle operations, driver behavior, and on-road incidents. By utilizing advanced mobile digital video recording (MDVR) technology, the system captures high-quality footage from inside and outside the vehicle, synchronized with telematics data to ensure full operational transparency.



CHALLENGES

- 1. Limited Fleet Visibility:** Addressing the lack of real-time understanding of driver behavior and on-road events caused by reliance on manual reports or basic tracking.
- 2. Incident Ambiguity:** Resolving delays and disputes in incident investigation by replacing subjective reporting with concrete visual evidence.
- 3. Liability Risks:** Mitigating the potential for false claims, insurance disputes, and operational misuse by maintaining objective, time-stamped video records.
- 4. Safety Inconsistencies:** Overcoming the difficulty of enforcing safe driving standards across a large, mobile workforce without direct oversight or targeted training tools.



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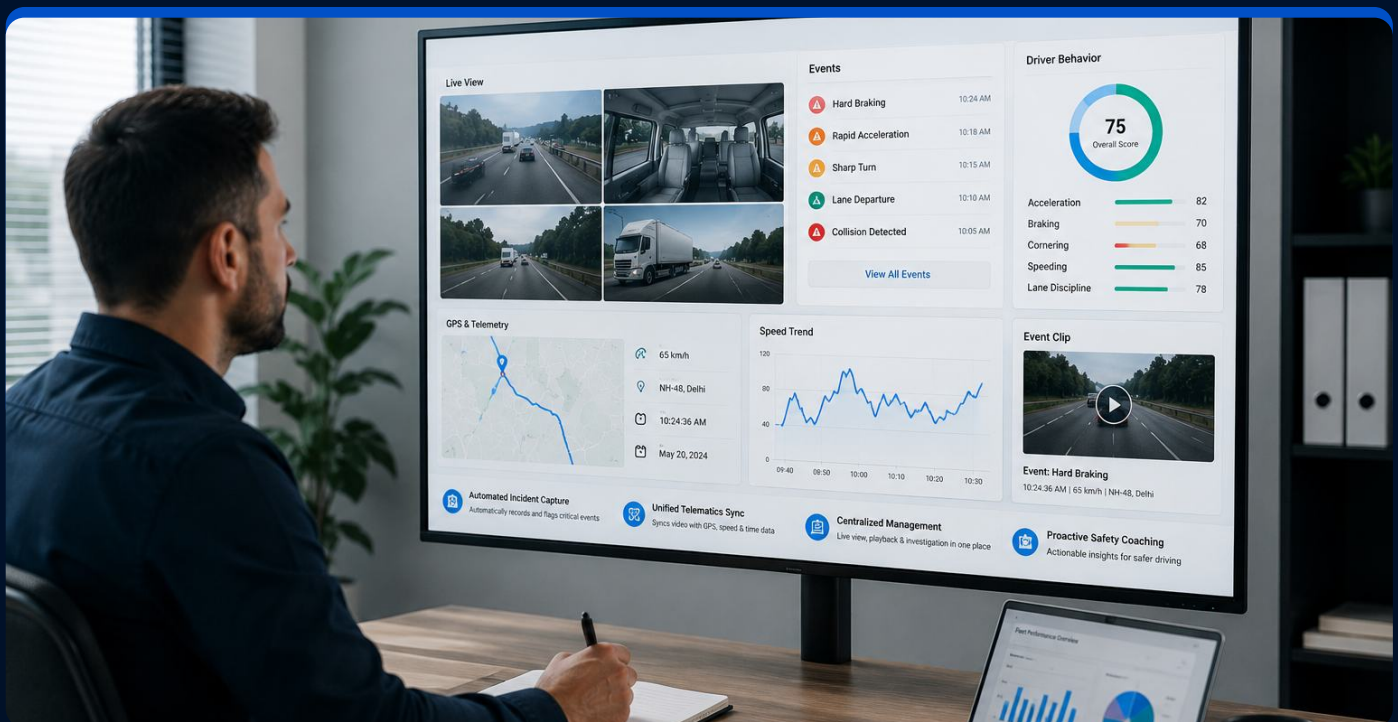


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ANALYSIS

1. **Enhanced Driver Safety:** Promotes safer driving habits through visual monitoring and provides concrete data for targeted safety coaching.
2. **Rapid Incident Investigation:** Replaces ambiguous reporting with objective video evidence, significantly reducing investigation time and disputes.
3. **Liability and Security Protection:** Safeguards the organization against false insurance claims and helps deter vehicle theft or unauthorized misuse.
4. **Operational Transparency:** Delivers a clear, unified view of fleet activity, enabling data-backed decisions and higher accountability across all operations.

SOLUTIONS



1. **Automated Incident Capture:** Uses multi-channel, in-vehicle cameras to automatically record and flag critical events like collisions or harsh driving, removing reliance on subjective reports.
2. **Unified Telematics Sync:** Synchronizes video footage with real-time GPS, speed, and timestamp data to provide a comprehensive, irrefutable context for every on-road event.
3. **Centralized Management Dashboard:** Provides fleet managers with a single interface for live streaming, remote playback, and rapid investigation of any incident.
4. **Proactive Safety Coaching:** Delivers actionable, video-backed insights that allow organizations to identify specific driver behavior patterns and implement targeted safety training.

KEY FEATURES



Enhanced Driver Safety

Encourages safer driving habits and provides evidence-based data for targeted safety training.



Improved Incident Management

Accelerates incident investigation by providing accurate video evidence, reducing ambiguity and human error.



Liability Protection

Protects the organization from false claims and insurance disputes by providing an objective, time-stamped record of events.



Fleet Security

Continuous monitoring acts as a deterrent against theft, vandalism, and vehicle misuse.



Operational Transparency

Increases overall accountability and supports smarter decision-making for fleet management.

END RESULT

- **Enhanced Driver Safety:** Promotes safer driving habits and enables targeted training through continuous visual monitoring and event-based video evidence.
- **Rapid Incident Resolution:** Drastically reduces investigation time and insurance disputes by providing objective, time-stamped video records of on-road events.
- **Improved Operational Accountability:** Increases transparency and deters unauthorized vehicle usage or theft, ensuring consistent fleet management standards.
- **Data-Backed Decision Making:** Combines video footage with telematics data to give managers clear, irrefutable insights for optimizing fleet efficiency and safety.



TECHNOLOGY



Angular



Nodejs



Postgres



Express



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