

SafeRide

Video-based safety solution to protect passengers, drivers and assets

- Cloud-based application combines IIoT safety events with CCTV audio-video feeds to create video-based intelligence
- Real-time, video-based situational awareness of drivers, passengers and road conditions
- Video-based ledgers provide information to exonerate staff, coach drivers and mitigate liability risk

What is SafeRide?

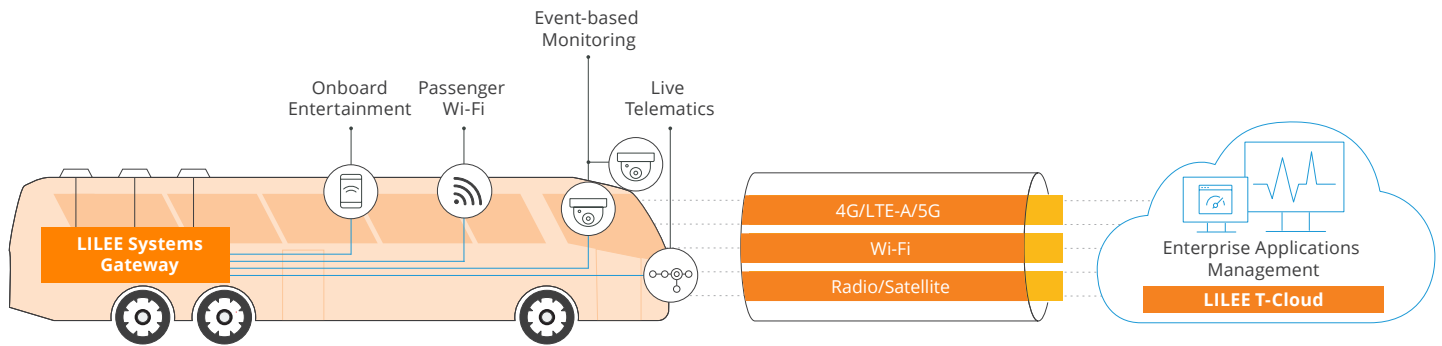
SafeRide is a video-based safety solution for buses, shuttles and light rail. It links event data with CCTV audio and video feeds of driver, cabin and road conditions to create video-based intelligence. Video-based intelligence enhances real-time situational awareness and records operational context surrounding events degrading safety and passenger experience.



SafeRide provides video-based intelligence to:

- Support insurance claims, exonerate staff and mitigate liability risk
- Personalize driver coaching and training
- Monitor fleet and driver behavior
- Manage incident response and resolution

Elements of LILEE Systems SafeRide



SafeRide Specifications

Safety Events and Alerts

Sensor-based Events

- Fast acceleration
- Harsh braking
- Cornering
- Speeding
- Idling

Manually triggered Event

- Emergency button

Computer vision-based Events

Customizable event thresholds

Email and SMS alerts

Video and Cameras

Integrate up to 8 cameras, analog and digital

Non-proprietary camera support

Video Storage and Playback

30-day cloud storage for Event Videos and Video-on-Demand

Carrier / Program level permissions

Up to 60-minute video-on-demand from the cloud

2x, 4x, 8x and 16x video playback speeds (forward/backward)

TransAir™ STS-1020 Gateway Specifications

Processor / Memory / Storage

Quad-Core Processor

4 GB on board memory

2 x SATA SSD 2.5" disk bays (32 GB included in SATA0)

LTE Interfaces

2 x LTE CAT 6 (LTE-A) to support up to 300 Mbps each

4 x SIM card slots

4 x Antenna connectors (2 per LTE 2 x 2 MIMO)

GPS Antenna connector

Wi-Fi Interfaces

2 x 802.11 ac/a/n (5 GHz) b/g/n (2.4 GHz) interfaces support up to 1.3

Gbps 6 x WLAN antenna connectors (3 x 3 MIMO)

Support for up to 128 clients per radio

Up to 8 SSIDs per radio

Dual radio mode (AP or client)

Automatic or manual channels selection

Onboard Sensors

3-axis gyroscope and 3-axis accelerometer

Physical Interfaces

1 x HDMI connector (audio and video)

1 x DB15 connector for OBD-II (small vehicles) and J1939 (buses)

1 x Digital I/O connector (1 true ignition digital input, 3 digital-in, 2 digital-out, 6 GND) 1 x USB 2.0

1 x USB 3.0

6 x 10/100/1000 Mbps Ethernet ports – 4 of the ports PoE 802.3at Type 2

2 x RS-232/422/485 Serial port via DB-9

1 x Maintenance port (RJ45) for dedicated diagnostic connection

1 x Serial console port via RJ45

1 x Reset button

LED indicators: PWR, RDY, ALM, GPS, POE, LTE0, LTE1, WLAN0, WLAN1, AUX0, AUX1, CPU

Remote Management

Centralized Management

-Cloud-based network, device, and client monitoring

-Network configuration

Local Management

Serial console port

Ethernet maintenance port

Environmental Limits

Functional operational temperature -40-70°C (-40-158°F)

LILEE T-Cloud Specifications

Simplified Deployment

Device auto-provisioning

Devices automatically connect to T-Cloud for provisioning

Guided workflow for network policy deployment

Centralized configuration

Dashboard

Graphical widgets and status cards

Global search function

Time-range selector

Customizable reports

Centralized management

Device templates for switch, router and access points

Scheduled or immediate software and firmware upgrades

SafeRide can be combined with any of LILEE's solutions including enterprise-grade Wi-Fi and onboard entertainment. For more information, please contact info@lileesystems.com.

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