

# 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?

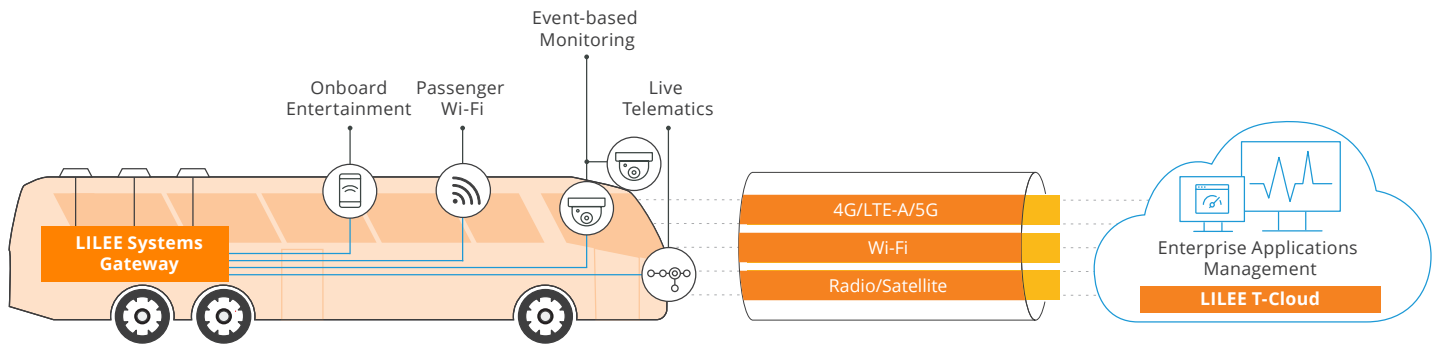
SafeRide is a video-based safety solution for buses, shuttles and light rail. It links event data with CCTV audio and video feeds of driver, cabin and road conditions to create video-based intelligence. Video-based intelligence enhances real-time situational awareness and records operational context 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](mailto:info@lileesystems.com).

LILEE Systems  
91 East Tasman Drive Suite 150  
San Jose, CA 95134  
+1 (408) 988-8672  
[www.lileesystems.com](http://www.lileesystems.com)

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