Chengdu Firmtop Technology Co., Ltd



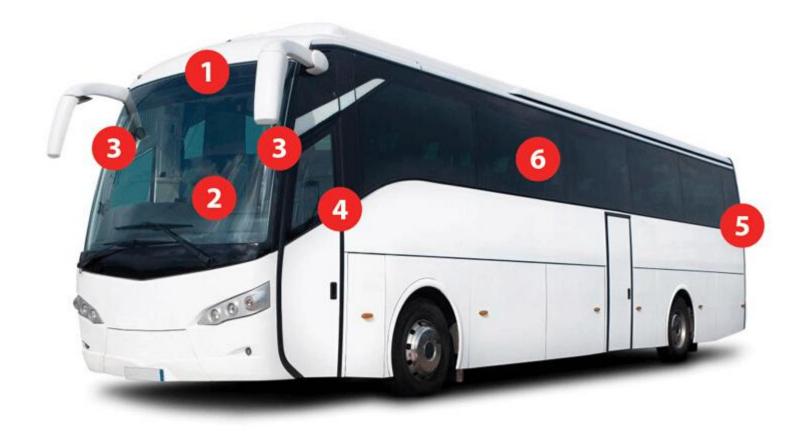
(Professional Supplier of Vehicle Surveillance Products)

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Solutions for Buses & Coaches



Solutions	Description	Benefits
1 Forward Facing Cameras	Records: - The drivers view of road - Truth and fact recording of events - Proof Recording of an accident - Vehicle's front situations - Driving Style - Taffic violation activities	Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving Habits (Smoking etc) - Traffic Allegations (illegal parking, etc)
2 Monitors	 Display live images of connected cameras or direct video output from a recorder Small form factor design for discreet installation Available in various sizes 	 Monitor theft/damage in specific areas of a vehicle Driver and passenger safety Monitor prohibited activity Visual aid whilst manoeuvring (i.e. reversing) vehicles
Side View Cameras	 External cameras that are installed on the side of the vehicle, directly under the wing mirrors. Allows the user to view the side of the vehicle (using an optional monitor) 	- View 'Blind Spots'





Recorders

Records:

- Connected Cameras
- Vehicle location via GPS (optional)
- Impact Proof of an accident
- Vehicle Dynamics (Surroundings recording, Date, etc)
- Driving Style
- Vehicle speed (optional)
- -Real Time Video Recording via 3G/4G (optional) Disavowing Impolite or illegal Activities

Protects against:

- Theft/damage
- Cash for Crash / Staged & Pre-meditated accidents
- False/Exaggerated Whiplash Claims
- Conflicting Reports of Actual Events
- Lack of Witnesses
- Incorrect Driving offences (speeding etc)
- Traffic Allegations (illegal parking, etc)





- External/weatherproof cameras designed to be installed at the rear of any vehicle

- IR nightvision viewing in dark conditions

Allows the user to:

- View possible 'Blind Spots' when reversing
- Safely manoeuvre vehicle

Reversing Cameras





Interior Cameras

- Designed to be installed into any vehicle
- Connects to a recorder and/or monitor for live viewing.
- IR nightvision viewing in dark conditions (optional)
- Monitor theft/damage
- Driver and passenger safety
- Monitor prohibited activity

Solutions for Cash in Transit



Solutions	Description	Benefits
1 Forward Facing Cameras	Records: - The drivers view of road - Truth and fact recording of events - Proof Recording of an accident - Vehicle's front situations - Driving Style - Taffic violation activities	Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving Habits (Smoking etc) - Traffic Allegations (illegal parking, etc)
2 Monitors	 Display live images of connected cameras or direct video output from a recorder Small form factor design for discreet installation Available in various sizes 	 Monitor theft/damage in specific areas of a vehicle Driver and passenger safety Monitor prohibited activity Visual aid whilst manoeuvring (i.e. reversing) vehicles
Side View Cameras	 External cameras that are installed on the side of the vehicle, directly under the wing mirrors. Allows the user to view the side of the vehicle (using an optional monitor) 	- View 'Blind Spots'





Recorders

Records:

- Connected Cameras
- Vehicle location via GPS (optional)
- Impact Proof of an accident
- Vehicle Dynamics (Surroundings recording,
- Date, etc)
- Driving Style
- Vehicle speed (optional)
- -Real Time Video Recording via 3G/4G (optional) Disavowing Impolite or illegal Activities

Protects against:

- Theft/damage
- Cash for Crash / Staged & Pre-meditated accidents
- False/Exaggerated Whiplash Claims
- Conflicting Reports of Actual Events
- Lack of Witnesses
- Incorrect Driving offences (speeding etc)
- Traffic Allegations (illegal parking, etc)





Reversing Cameras

- External/weatherproof cameras designed to be installed at the rear of any vehicle

- IR nightvision viewing in dark conditions

Allows the user to:

- View possible 'Blind Spots' when reversing
- Safely manoeuvre vehicle

Solutions for Fleet



Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving Habits (Smoking etc) - Traffic Allegations (illegal parking, etc) - Monitor theft/damage in specific areas of a vehicle
 Driver and passenger safety Monitor prohibited activity Visual aid whilst manoeuvring (i.e. reversing) vehicles
Allows the user to: - View 'Blind Spots' - Safely manoeuvre vehicle





Recorders

Records:

- Connected Cameras
- Vehicle location via GPS (optional)
- Impact Proof of an accident
- Vehicle Dynamics (Surroundings recording,

Date, etc)

- Driving Style
- Vehicle speed (optional)
- -Real Time Video Recording via 3G/4G (optional) Disavowing Impolite or illegal Activities

Protects against:

- Theft/damage
- Cash for Crash / Staged & Pre-meditated accidents
- False/Exaggerated Whiplash Claims
- Conflicting Reports of Actual Events
- Lack of Witnesses
- Incorrect Driving offences (speeding etc)
- Traffic Allegations (illegal parking, etc)





Reversing Cameras

- External/weatherproof cameras designed to be installed at the rear of any vehicle
- IR nightvision viewing in dark conditions

Allows the user to:

- View possible 'Blind Spots' when reversing
- Safely manoeuvre vehicle

Solutions for Haulage



Solutions	Description	Benefits
1 Forward Facing Cameras	Records: - The drivers view of road - Truth and fact recording of events - Proof Recording of an accident - Vehicle's front situations - Driving Style - Taffic violation activities	Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving Habits (Smoking etc) - Traffic Allegations (illegal parking, etc)
2 Monitors	 Display live images of connected cameras or direct video output from a recorder Small form factor design for discreet installation Available in various sizes 	 Monitor theft/damage in specific areas of a vehicle Driver and passenger safety Monitor prohibited activity Visual aid whilst manoeuvring (i.e. reversing) vehicles
Side View Cameras	 External cameras that are installed on the side of the vehicle, directly under the wing mirrors. Allows the user to view the side of the vehicle (using an optional monitor) 	- View 'Blind Spots'





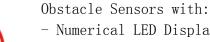
Records: - Connected Cameras - Vehicle location via GPS (optional) - Impact Proof of an accident - Vehicle Dynamics (Surroundings recording,

Date, etc) - Driving Style

- Vehicle speed (optional)
- -Real Time Video Recording via 3G/4G (optional) Disavowing Impolite or illegal Activities

Protects against:

- Theft/damage
- Cash for Crash / Staged & Pre-meditated accidents
- False/Exaggerated Whiplash Claims
- Conflicting Reports of Actual Events
- Lack of Witnesses
- Incorrect Driving offences (speeding etc)
- Traffic Allegations (illegal parking, etc)



- Numerical LED Display for distance
- Left/Right Coloured Bars and Buzzer (optional monitor required for on-screen display version)
- Designed for recessed fitting on front, side or rear of vehicle

Allows the user to:

- Safely manoeuvre vehicle

Obstacle Sensors with:

- Numerical LED Display for distance
- Left/Right Coloured Bars and Buzzer (optional monitor required for on-screen display version)
- Designed for recessed fitting on front, side or rear of vehicle

Allows the user to:

- Safely manoeuvre vehicle





- External/weatherproof cameras designed to be Allows the user to: installed at the rear of any vehicle
- IR nightvision viewing in dark conditions
- View possible 'Blind Spots' when reversing
 - Safely manoeuvre vehicle

Reversing Cameras



Interior Cameras

- Designed to be installed into any vehicle
- Connects to a recorder and/or monitor for live viewing.
- IR nightvision viewing in dark conditions (optional)
- Monitor theft/damage
- Driver and passenger safety
- Monitor prohibited activity

Solutions for Insurance



Solutions	Description	Benefits
1 Forward Facing Cameras	Records: - The drivers view of road - Truth and fact recording of events - Proof Recording of an accident - Vehicle's front situations - Driving Style - Taffic violation activities	Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving Habits (Smoking etc) - Traffic Allegations (illegal parking, etc)
2 Monitors	 Display live images of connected cameras or direct video output from a recorder Small form factor design for discreet installation Available in various sizes 	 Monitor theft/damage in specific areas of a vehicle Driver and passenger safety Monitor prohibited activity Visual aid whilst manoeuvring (i.e. reversing) vehicles
Side View Cameras	 External cameras that are installed on the side of the vehicle, directly under the wing mirrors. Allows the user to view the side of the vehicle (using an optional monitor) 	- View 'Blind Spots'



Records:

- Connected Cameras
- Vehicle location via GPS (optional)
- Impact Proof of an accident
- Vehicle Dynamics (Surroundings recording, Date, etc)
- Driving Style
- Vehicle speed (optional)
- -Real Time Video Recording via 3G/4G (optional) Disavowing Impolite or illegal Activities

Protects against:

- Theft/damage
- Cash for Crash / Staged & Pre-meditated accidents
- False/Exaggerated Whiplash Claims
- Conflicting Reports of Actual Events
- Lack of Witnesses
- Incorrect Driving offences (speeding etc)
- Traffic Allegations (illegal parking, etc)

Side Sensors

Obstacle Sensors with:

- Numerical LED Display for distance
- Left/Right Coloured Bars and Buzzer (optional monitor required for on-screen display version)
- Designed for recessed fitting on front, side or rear of vehicle

Allows the user to:

- Safely manoeuvre vehicle





Reversing Sensors

Obstacle Sensors with:

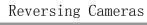
- Numerical LED Display for distance
- Left/Right Coloured Bars and Buzzer (optional monitor required for on-screen display version)
- Designed for recessed fitting on front, side or rear of vehicle

Allows the user to:

- Safely manoeuvre vehicle



- External/weatherproof cameras designed to be Allows the user to: installed at the rear of any vehicle
- IR nightvision viewing in dark conditions
- View possible 'Blind Spots' when reversing
- Safely manoeuvre vehicle





Interior Cameras

- Designed to be installed into any vehicle
- Connects to a recorder and/or monitor for live viewing.
- IR nightvision viewing in dark conditions (optional)
- Monitor theft/damage
- Driver and passenger safety
- Monitor prohibited activity

Solutions for Taxis



Solutions	Description	Benefits
1 Forward Facing Cameras	Records: - The drivers view of road - Truth and fact recording of events - Proof Recording of an accident - Vehicle's front situations - Driving Style - Taffic violation activities	Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving Habits (Smoking etc) - Traffic Allegations (illegal parking, etc)
2 Monitors	 Display live images of connected cameras or direct video output from a recorder Small form factor design for discreet installation Available in various sizes 	 Monitor theft/damage in specific areas of a vehicle Driver and passenger safety Monitor prohibited activity Visual aid whilst manoeuvring (i.e. reversing) vehicles
Side View Cameras	 External cameras that are installed on the side of the vehicle, directly under the wing mirrors. Allows the user to view the side of the vehicle (using an optional monitor) 	- View 'Blind Spots'





Recorders

Records:

- Connected Cameras
- Vehicle location via GPS (optional)
- Impact Proof of an accident
- Vehicle Dynamics (Surroundings recording, Date, etc)
- Driving Style
 - Vehicle speed (optional)
 - -Real Time Video Recording via 3G/4G (optional) Disavowing Impolite or illegal Activities

Protects against:

- Theft/damage
- Cash for Crash / Staged & Pre-meditated accidents
- False/Exaggerated Whiplash Claims
- Conflicting Reports of Actual Events
- Lack of Witnesses
- Incorrect Driving offences (speeding etc)
- Traffic Allegations (illegal parking, etc)





- External/weatherproof cameras designed to be installed at the rear of any vehicle

- IR nightvision viewing in dark conditions

Allows the user to:

- View possible 'Blind Spots' when reversing
- Safely manoeuvre vehicle

Reversing Cameras





Interior Cameras

- Designed to be installed into any vehicle
- Connects to a recorder and/or monitor for live viewing.
- IR nightvision viewing in dark conditions (optional)
- Monitor theft/damage
- Driver and passenger safety
- Monitor prohibited activity

Solutions for Private Vehicles



Solutions	Description	Benefits
1 Forward Facing Cameras	Records: - The drivers view of road - Truth and fact recording of events - Proof Recording of an accident - Vehicle's front situations - Driving Style - Taffic violation activities	Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving Habits (Smoking etc) - Traffic Allegations (illegal parking, etc)
2 Side View Cameras	 External cameras that installed to side of vehicles or directly under wing mirrors. Allows the user to view down the side of vehicles (using an optional monitor) 	- View 'Blind Spots'
Monitors Side View Cameras Monitors	 Display live images of connected cameras Small form factor design for discreet installation Available in various sizes 	 Monitor theft/damage in storage areas of a vehicle Driver and passenger safety Monitor prohibited activity Visual aid whilst manoeuvring (i.e. reversing) vehicles



Reversing Sensors

Obstacle Sensors with:

- Numerical LED Display for distance
- Left/Right Coloured Bars and Buzzer
- Designed for recessed fitting on front, side and/or rear of vehicle

Allows the user to:

- Safely manoeuvre vehicle

Solutions for Forklifts & Plant



Solutions

Description

Benefits





Records:

- The drivers view of road

Protects against:

- Workplace accidents
- Conflicting Reports of Actual Events
- Lack of Witnesses

Forward Facing Cameras

Recorders





Records:

- Connected Cameras
- Vehicle location via GPS (optional)
- Impact Proof of an accident
- Vehicle Dynamics (Surroundings recording, Date, etc)
- Driving Style
- Vehicle speed (optional)
- -Real Time Video Recording via 3G/4G (optional) Disavowing Impolite or illegal Activities

Protects against:

- Theft/damage
- Cash for Crash / Staged & Pre-meditated accidents
- False/Exaggerated Whiplash Claims
- Conflicting Reports of Actual Events
- Lack of Witnesses
- Incorrect Driving offences (speeding etc)
- Traffic Allegations (illegal parking, etc)





- Produces detailed wide angle image of the rear of the vehicle
- External/weatherproof cameras designed to be installed at the rear of any vehicle
- Output reversed (Mirror) images for viewing on an optional monitor
- IR nightvision viewing in dark conditions (optional)

Solutions for Motorcycles



Solutions	Description	Benefits
1	Records: - The drivers view of road - Vehicle location via GPS - Impact G-forces of an accident - Vehicle Dynamics (Acceleration, Braking etc) - Driving Style	Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses
Forward Facing Cameras	- Vehicle speed	Incorrect Driving offences (speeding etc)Traffic Allegations (illegal parking, etc)
2 Recorders	Records: - Connected Cameras - Vehicle location via GPS (optional) - Impact Proof of an accident - Vehicle Dynamics (Surroundings recording, Date, etc) - Driving Style - Vehicle speed (optional) -Real Time Video Recording via 3G/4G (optional)	Protects against: - Theft/damage - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving offences (speeding etc) - Traffic Allegations (illegal parking, etc) - Disavowing Impolite or illegal Activities

Solutions for Trains



Solutions	Description	Benefits
1 Forward Facing Cameras	Records: - The drivers view of road - Truth and fact recording of events - Proof Recording of an accident - Vehicle's front situations - Driving Style - Taffic violation activities	Protects against: - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving Habits (Smoking etc) - Traffic Allegations (illegal parking, etc)
2 Interior Cameras	 Designed to be installed into any vehicle Connects to a recorder and/or monitor for live viewing. IR nightvision viewing in dark conditions (optional) 	Monitor theft/damageDriver and passenger safetyMonitor prohibited activity
Recorders	Records: - Connected Cameras - Vehicle location via GPS (optional) - Impact Proof of an accident - Vehicle Dynamics (Surroundings recording, Date, etc) - Driving Style - Vehicle speed (optional) -Real Time Video Recording via 3G/4G (optional)	Protects against: - Theft/damage - Cash for Crash / Staged & Pre-meditated accidents - False/Exaggerated Whiplash Claims - Conflicting Reports of Actual Events - Lack of Witnesses - Incorrect Driving offences (speeding etc) - Traffic Allegations (illegal parking, etc) - Disavowing Impolite or illegal Activities



- direct video output from a recorder
- Small form factor design for discreet installation
- Available in various sizes
- Display live images of connected cameras or Monitor theft/damage in specific areas of a vehicle
 - Driver and passenger safety
 - Monitor prohibited activity
 - Visual aid whilst manoeuvring (i.e. reversing) vehicles

System Topological Graphs for Different Vehicle's Installation

Public Bus Intelligent Dispatching System Solution



Public Bus Wireless Video Monitoring System Solution



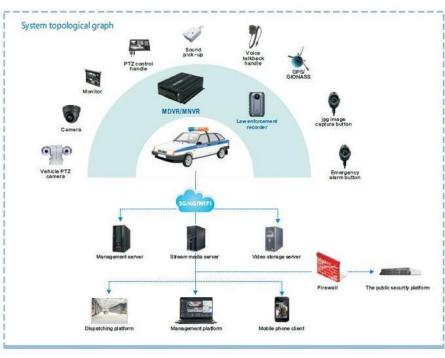


Passenger Vehicles and Transport Vehicles Monitoring System Solution



Police Law Enforcement Vehicles Forensics System Solution





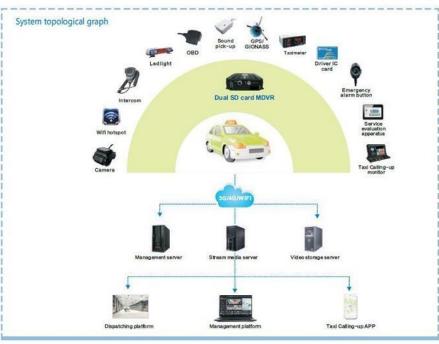
School Bus Security System Solution





Taxi Monitoring System Solution (Working with Taxi on-calling system)





Logistics Transport or Supermarket Delivery Vehicles Monitoring System Solution



Hazardous Chemicals Transport Tank Truck or Oil / Gas Transport Tank Truck Monitoring System Solution

