

## MASS TRANSIT STATIONS AND BUS STOPS



Introducing **Totus Security Platforms™** from Totus Solutions.

As transit agencies continue to seek innovative and effective means to increase ridership and improve the image of public transportation, the safety and security of public bus stops and transit stations are critical considerations for patrons, transit agencies, and the communities they serve.

Designed for deployment at bus stops and transit stations, only Totus' intelligent LED lighting security platform integrates a complete IP video surveillance system, secure communications, and sensor monitoring technologies for unparalleled physical security and effective response.

According to the National Center for Transit Research the following security enhancements were recognized as key areas that should be addressed to improve physical security of bus stops and mass transit stations:

- Increased lighting
- Emergency communications/call points
- Video surveillance

Totus Security Platforms represent the latest advancements in technology designed to make transit stations and bus stops safer and more secure for passengers.

### **Superior Lighting for Maximum Deterrence and Energy Savings**

Totus Security Platforms provide superior lighting for crime deterrence and video surveillance. The High Performance Energy Efficient Lighting is designed to provide superior night-time color rendition and uniform illumination for surveillance applications. Totus Security Platforms are also vandal-proof and easy to maintain, avoiding the pitfalls of legacy lighting with exposed bulbs or elements that can be tampered with or destroyed.

### **Emergency Communications**

Totus Security Platforms provide transit patron access to emergency call points throughout the station. When a passenger presses the Call button at the emergency call point, designated security personnel will receive a video stream from a nearby Totus Security Platform. The video stream along with audio can be concurrently sent to roaming patrols and central monitoring stations to verify, respond and prevent incidents in real-time. Transit and bus stations may also be equipped with a panic button that will cause the Totus Security Platforms to flash its high efficiency lighting to draw attention to the incident at hand.

### **More Effective Surveillance**

Totus Security Platforms provide surveillance beyond video, with options that take transit security to a whole new level. Our security platforms enable security personnel to monitor footage and operate cameras from remote locations. With two-way audio communications, incident reporting and real-time access to video footage, first responders and transit police are provided complete incident awareness.

### **Improved Customer Service**

Totus Security Platform's embedded video analytics can be used to automate event detection and improve customer service. Automatic event detection greatly reduces the chance for missed events as human operators monitor video streams from many locations. Totus Security Platform's embedded video analytics can examine the video streams from designated areas of the transit station for activity and notify operational personnel or other applications when they detect specified conditions, such as human activity in prohibited areas or more than a defined number of people in a ticket line. When lines are long, station personnel will receive an alert, prompting them to check that machines are operating properly.

Totus Security Platform can also be equipped with wireless access points to provide patrons with an internet hotspot and transit status information on their Smartphones, Tablets and PCs.

## CAPABILITIES & BENEFITS FOR TRANSIT STATIONS AND BUS STOPS

**Totus Security Platforms™** is a security and surveillance breakthrough for public transit applications. With energy-efficient LED lights and built-in network video recorder (NVR) cameras, potential security threats at transit terminals and bus stops are detected quickly and effectively.

Bus stop and transit station benefits and capabilities include:

**1 Energy Efficient Lighting**

High Performance Energy Efficient Lighting designed to provide superior night-time color rendition and uniform illumination for surveillance applications.

**2 Occupancy Dimmers**

Totus Security Platforms can lower its light level to save energy when the transit or bus terminal is unoccupied.

**3 Surveillance**

Integrated 360° high resolution megapixel IP camera with on-board Motion or event-triggered Digital Recording captures activity on date-time-GPS-stamped video as they traverse the transit terminal.

**4 Emergency/Panic Button**

In case of danger or emergency, patrons press an emergency button and security surveillance cameras will alert roaming patrols and central monitoring stations to verify and respond to incidents. A patron may also push a panic button that will cause the Totus Security Platform's light to flash drawing attention to the incident at hand.

**5 Two-way Voice Communications**

Two-way audio communications with patrons is supported with an integrated or external microphone and speaker.

**6 Public Address Announcement System**

External Public Address speakers are supported for mass alerting of patrons and additional deterrence in an emergency situation.

**7 Audio Annunciation**

Totus Security Platforms' VoIP communications allows for integration with transit AVL applications so that passengers can be informed when the next bus or train will arrive.

**8 WiFi Hotspot**

Totus Security Platforms can be equipped to provide patrons with internet hotspot access and transit status information on their Smartphones, Tablets and PCs.

**9 Sensors**

Totus Security Platforms can be equipped with Vibration/impact, and CBRNE (Chemical, Biological, Radiological, Nuclear, and Explosive) sensors to alert security personnel of vandalism and detect hazardous materials.

