



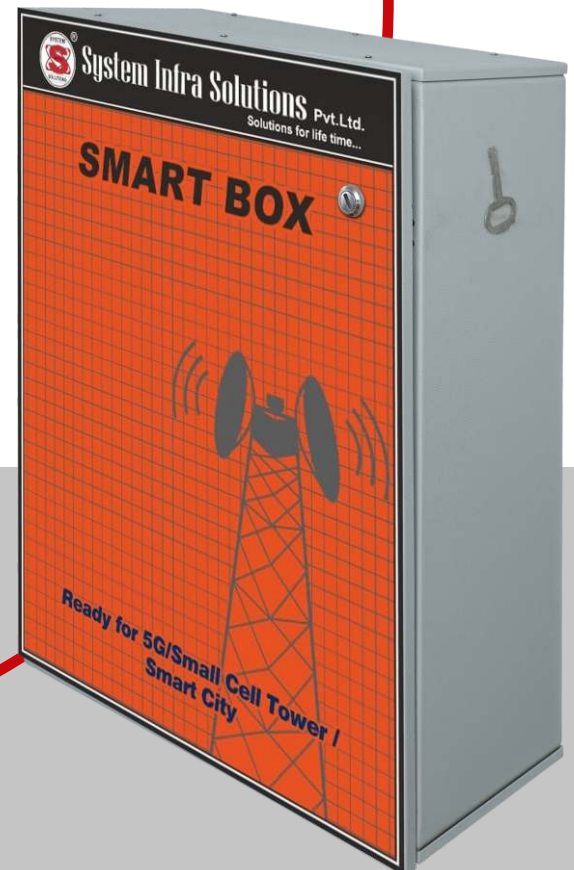
System Infra Solutions Pvt. Ltd.

Solutions for life time...

An ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Company

Smart Box

5G ready, designed for
Small Cell Tower/Smart City



Deployment Challenges ▶

Networks are built by system integrators consequently, typical Smart City/small networks face the following issues:

- Cost and insufficient bandwidth to carry all the applications
- Secure communication and physical secure of the asset
- Lack of integrative management of all network equipment, essential to: Maintaining network availability, Reducing maintenance costs
- Time consuming and costly Installations costly maintenance, remote modification and upgrade
- Low quality - existing solutions use multiple boxes and fans with compromised engineering selection
- Large and unaesthetic cabinets mounted on street
- Complex network with multiple vendor products (cellular, fiber optic, power, networking, antennas)



Smart Box for Smart City ▶

Cost effective

Flexible configuration

ALL-In-One Integrated Smart cabinet

Simple, quick and aesthetic installation

Managed by a powerful NMS and monitoring application

Innovative power & communication cabinet- optimized for smart city

Integrated Cabinet For 5G, Small Cell & Smart City ▶

(Optional Sensors, IoT & Other Applications)



- Power Supply
- Networking
- Audio
- Wi-Fi Hot Spot Support
- Long Duration Battery & UPS
- Management
- Alerts
- 3G/4G/5G

Smart Box features ▶

- Feature-rich and uninterrupted power and communication smart cabinet
- Pre -configured for very fast and easy installation
- Pole or wall mounted
- Wide temperature operation from -40°C to 75°C
- IP-65 Cabinet
- Secondary integrations:
 - ▶ Smart Lighting
 - ▶ Smart Parking
 - ▶ Smart metering
 - ▶ Sensors
 - ▶ More...



The Smart, Advanced, Innovative,
Safe & Flexible Cabinet.

Value Proposition ▶

Smart Box enables:

- High quality reducing maintenance calls (Fan-less)
- Advanced Network Management System
- Off-the shelf solution (vs. design and assembly)
- Labor time reduction
- Less skilled professional installation team
- Fast and simple installation

Smart Box for 5G/Small Cell

Smart & Hi quality solution

- Advances Secure Industry 4.0 IoT gateway with Fiber Optic and LTE
- Hi quality and market leading :
 - ▶ Cabinet, power supply, Lithium battery, cabinet control, sensors, AC & DC protectors, Network lightning protectors, local DVR and more



Advantages

- Preconfigured - reduced dramatically the installation on the field's pole – reducing OPEX & time.
- NMS – Deployment & remote management of tens of thousands of cabinets with NMS.
- Dedicated design - pole or wall mount, light weight, rugged, IP65 resistant – Fitting for Safe City projects.
- Long life and backup Battery (lithium) and UPS-1-4 hours operation and > 5 years with no replacement.
- Modular, Flexible configuration – Fitting to variety of configurations, application, CCTV, sensors and other devices.
- Connectivity for any CCTV/device/sensors – One box for all Networking and power connections.
- Redundancy and backhaul – Non- stop operation during power off or network disconnected.
- Cabinet sensors & control-over temperature, opening the door, low AC /DC power and more.

Surveillance Video On Demand(VOD) over LTE/5G

Application – DVR and VOD from a field device

- Local DVR inside the SecFlow 1v GW
- Video recorded files retrieved by VMS per event and per relevant geography
- CCTV exact location is displayed on GIS map, selected and click to watch
- Saves LTE/5G bandwidth, Saves LTE/5G OPEX
- Enables 1000s of CCTV to be monitored without need for fiber optic cables

Surveillance Video on Demand

- Video Recording • SD-Card local storage
- Video debriefing ,searched by CCTV location
- View on VMS client (Mobile device - phone / tablet), PC, Video wall



Value Proposition

- Makes LTE/5G Surveillance affordable
- LTE/5G data consumption only per event and on-demand
- Greenfield or existing CCTV
- Immune to camera vandalism
- Backup when wireline network failed

Management and Remote Monitoring Application

- Element & Network Management, Service and Security Management, performance monitoring
- Wi-Fi interface for fast and simple maintenance (optional)
- Low OPEX, Fast, Secure Easy deployment
- Cabinet management via integrated intelligent Industrial IoT Cabinet controller
 - ▶ Deliver professional- IoT enablement that is ideally suited for IIoT, data collection, remote control, and industrial automation applications. Remote Control, monitor and supervisor of cabinet's sensors, alarms and smooth operation
- Configuration and monitoring of:
 - ▶ Power management and battery voltage level
 - ▶ Temperature sensor
 - ▶ Door open alarm, emergency button and other alarms (dry contacts)
 - ▶ UPS battery monitoring
 - ▶ Port management (power level, VLANs, reset devices..)
 - ▶ Audio
 - ▶ Wi-Fi interface
 - ▶ Event monitoring
 - ▶ Network management
 - ▶ Local DVR recording, in case of network disconnect or no line power



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