Smart-Node

Power and communication solution for video surveillance

Simplifying CCTV deployments while reducing total costs

RADWIN Smart-Node is an all-in-one, multi-power and communication managed solution for video surveillance deployments. Eliminating the need to build costly communication cabinets from scratch, Smart-Node comes ready-to-install and supports a variety of power and networking interfaces for CCTV cameras, speakers, radios, infra-red projectors and other third-party devices.

RADWIN Smart-Node is a remarkably compact, IP-67 grade solution that guarantees low visual impact for street-level deployments and ensures high reliability in extreme environments.

Typical cabinet

Smart-Node

Smaller, lighter and smarter

- 1/3 the size
- 1/3 the weight
- Lower cost
- Feature rich
All-in-One Power and Communication

Internal space for 3rd party devices

Fiber
RADWIN radios
Speaker
Fixed camera
PTZ camera
PTZ camera

AC
DC
Solar Panel

* Device connectivity examples

Smart-Node main benefits:

» Reduced site costs
» Rapid and simple installations
» No labor costs for design and assembly
» Unified management system for remote monitoring & control
» Greater flexibility due to a wide array of power and communication options for various devices
» Low maintenance due to robustness and high reliability

Highlights

Versatile power options

- Input power options
  - AC: 100-240 VAC
  - DC: 40-57 VDC
- Output power options
  - PoE, PoE+ (15W/30W/60W)
  - Passive PoE (24V/56V)
  - DC-OUT (12V/24V)

Versatile communication options

- GbE switch
  - 5-Port Gigabit PoE switch
  - SFP Gigabit port
- Wired and wireless
  - Fiber - SFP
  - Copper - LAN
  - Wireless broadband (external)

Unified power & networking management

- Remote power and networking management
- Switch PoE assignment per port (802.3 af, at, at+[60W], 24V/56V)
- Lithium-ion battery backup (UPS) monitoring
- Graceful power degradation by priority