

MINI SOLAR SURVEILLANCE TRAILER

AutoGuard Solar Trailer

AG-ST100 • SPECIFICATION AND APPLICATION DATA

Fully autonomous, year-round surveillance on a compact towable trailer. Dual PTZ infrared cameras on a 20-foot mast and silent lithium-ion solar power, deployable by one person in under 10 minutes with zero site infrastructure. Monitored 24/7 by Aventyr's ULC-certified monitoring.


20FT

Telescoping tower height

1080p

Dual HD PTZ cameras

365

Days autonomous operation

<10MIN

Single-person deployment

PLATFORM

Tower height	20 ft telescoping
Tower rotation	Nearly 360°
Weight	Approx. 1,550 lb (703 kg)
Frame	Heavy-grade structural steel
Tow hitch	Standard ball coupler
Deployment	Single person, under 10 minutes

CAMERA SYSTEM

Cameras	Dual PTZ infrared dome
Resolution	1080p HD
Optical zoom	20×
Digital zoom	16×
Pan	360°
Tilt	-5° to 90°

POWER SYSTEM

Battery	Lithium-ion
Solar panels	Monocrystalline, adjustable tilt
Charge controller	Smart MPPT
Operation	Year-round autonomous
AC charger	Included
Backup input	Shore power or generator

CONNECTIVITY

Cellular	4G LTE, 2-year plan included
Wi-Fi	Available
Remote access	Any internet device
PTZ control	Zero-latency remote
Recording	Onboard SSD NVR
Alerts	Alarm relay commands

SECURITY

- High-security battery box with hidden hinges and hidden-shackle puck locks
- Battery monitor reports real-time power status locally and remotely
- Bluetooth power management app for iOS and Android