



ViSTA Networking Solutions

VNS

**Product Guide for
Trinity Innovative Solutions Line Card**

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About Trinity Innovative Solutions

Trinity Innovative Solutions, based in Texas, specializes in advanced mobile platforms for LPR and video surveillance applications. Their mission is to enhance security, efficiency, and convenience across various sectors by providing innovative solutions that integrate seamlessly into existing infrastructures.

Key Offerings:

- **Portable pole mount appliance:** Their technology supports law enforcement and security professionals by automating plate recognition tasks, thereby improving safety measures and operational efficiency.
- **Trailers:** Designed for effective remote license plate recognition or surveillance applications, these trailers have a 750W solar power array and are offered in 4 models each supporting a mast option for additional cameras.
- **Tool Boxes:** The ultimate in portable, mobile, remote and covert surveillance/LPR these solutions provide flexibility in camera positioning – providing a wide option of video coverage.
- **Commitment to Quality:** Trinity emphasizes rigorous testing and quality assurance, ensuring their products deliver reliability and performance in demanding environments.

Vision:

Trinity Innovative Solutions aims to empower communities and organizations with cutting-edge technology that not only enhances public safety but also optimizes operations in traffic management and parking utilization.



PORTABLE POLE MOUNT SOLUTION

The Trinity portable Can is specifically designed for Surveillance and LPR operations at the network edge. The solution includes a custom embedded computer designed specifically for this application. This edge processor is scalable in CPU, RAM, Storage and Connectivity. Connect 90 to 264 VAC and the unit is ready to go. The patented quick mount bracket system allows the user to move the unit from hot spot to hot spot easily or leave in place as part of the larger law enforcement infrastructure. The Can's custom-designed aluminum enclosure is IP66 rated.



Trinity Portable Surveillance/LPR Can

- Aluminum, environmentally controlled portable enclosure w/2 X portable bracket kits, 2 X cooling fans, POE switch, power supply, power cable.
- TRINITY Edge Processor, Intel i5 processor, 16GB RAM, 2TB SSD, Windows IOT OS. Sierra Wireless multi-carrier certified, Band-14 LTE/4G w/Wi-Fi.
- NDAA compliant, PTZ Camera, 1TB Micro SD (onboard), 4MP, 1/2.8" CMOS sensor, 2688*1520@30fps in the main stream, Ultra 265, H.265, H.264, MJPEG, Five streams, 33X Optical Zoom, Color-Low-Light technology ensures ultra-high image quality in low illumination, environment Smart IR, up to 150m (492 ft) IR distance, AC 24V±25%, DC 24V±25% or PoE+(IEEE 802.3at) power supply, Alarm 2 in and 1 out, Audio 1 in and 1 out, IP66 ingress protection.
- AUX unit is PTZ camera only in same enclosure



TRAILERS

Trinity offers 4 trailer product lines:

- Technology Trailer (with or without Radar)
- Message Board Trailer
- Media Trailer
- Low Profile Trailer (with or without Radar)



Travel Mode



Deployment Mode

Trinity Technology Trailer: Standard

Trinity Tech Trailer Standard Configuration - No Radar or Speed Sign. 750-Watt solar power system (3 X 250-watt panels), 1 X 400Ah lithium battery, 60-amp solar controller, internal cable chase, retractable AC power cord, 5 X jacks (4 corner, 1 tongue, rated 1,200 lbs. ea.), removable tongue, locking aluminum equipment boxes, up to 5 X equipment module receivers (based on trailer configuration), single axel, 15" 5 Lug wheels, nitrogen-filled 205/75D15 tires, steel frame, open layout, 90-degree rotating equipment mast, diamond plate solar cabinet, diamond plate fenders. stone guards, safety chains, 2-inch ball hitch, 7-pin connector. Dimensions - 96" x 70" x 85" with tongue, 53.5" x 70" x 85" without tongue. GVW Rating - 1,800 lbs. Does not include cameras or processor.

Features:

- Removable tongue
- Removable wheel lock
- Full size trailer tires
- Four corner stabilizer jacks
- Cantilever suspension
- Heavy duty ruggedized frame
- Aluminum camera enclosures
- 280-degree camera aiming
- Sealed lithium battery with heater



Trinity Technology Trailer: Radar

Trinity Tech Trailer Radar Configuration - Programmable Radar/Speed Display included. 750-Watt solar power system (3 X 250-watt panels), 1 X 400Ah lithium battery, 60-amp solar controller), internal cable chase, retractable AC power cord, 5 X jacks (4 corner, 1 tongue, rated 1,200 lbs. ea.), removable tongue, locking aluminum equipment boxes, up to 5 X equipment module receivers (based on trailer configuration), single axle, 15" 5 Lug wheels, nitrogen-filled 205/75D15 tires, steel frame, open layout, 90-degree rotating equipment mast, diamond plate solar cabinet, diamond plate fenders, stone guards, safety chains, 2-inch ball hitch, 7-pin connector. Dimensions - 96" x 70" x 85" with tongue, 53.5" x 70" x 85" without tongue. GVW Rating - 1,800 lbs. Does not include cameras or processor.

Features:

- Programmable radar and speed display
- Removable tongue
- Removable wheel lock
- Full size trailer tires
- Four corner stabilizer jacks
- Cantilever suspension
- Heavy duty ruggedized frame
- Aluminum camera enclosures
- 280-degree camera aiming
- Sealed lithium battery with heater



Trinity Technology Trailer: Message Board

Trinity Tech Trailer Message Board Configuration - Includes 42" X 34" programmable 3-line message board with integrated radar head. 750-Watt solar power system with 1 X 400Ah seal lithium batteries, 60-amp solar controller), retractable AC power cord, 5 X jacks (4 corner, 1 tongue, rated 1,200 lbs. ea.), 2 X aluminum camera enclosures, locking aluminum equipment boxes, up to 5 X equipment module receivers (based on trailer configuration), single axel, 15" 5 Lug wheels, 205/75D15 nitrogen filled tires, steel frame, open layout, 90-degree rotating equipment mast, diamond plate solar cabinet, diamond plate fenders. stone guards, safety chains, 2-inch ball hitch, 7-pin connector. Dimensions - 96" x 70" x 85" with tongue, 53.5" x 70" x 85" without tongue. GVW Rating - 1,800 lbs. Does not include cameras or processor.

Features:

- Programmable 3-line display with integrated radar head
- Removable tongue
- Removable wheel lock
- Full size trailer tires
- Four corner stabilizer jacks
- Cantilever suspension
- Heavy duty ruggedized frame
- Aluminum camera enclosures
- 280-degree camera aiming
- Sealed lithium battery with heater



Trinity Technology Trailer: Event

Trinity Tech Trailer Event Configuration - 80" X 40" LED board, 2 X mounted outdoor audio speakers, quiet run generator, 750-Watt solar power system (3 X 250-watt panels, 2 X 400Ah sealed, lithium batteries, 60-amp solar controller), retractable AC power cord, 5 X jack stands (1200 lbs. ea.), removable tongue, 2 X aluminum camera enclosures, locking aluminum equipment boxes, 5 X equipment module receivers, single axel, 15" 5 Lug, 205/75D15 tires, steel frame, open layout, 90-degree rotating equipment mast, diamond plate solar cabinet, diamond plate fenders. Stone guards, safety chains, 2-inch ball hitch, 7-pin connector. Dimensions - 96" x 70" x 85" with tongue, 53.5" x 70" x 85" without tongue. GVW Rating - 1,800 lbs. Does not include cameras or processor

Features:

- 80" x 40" LED video panel
- Onboard outdoor rated speakers
- Generator included
- Removable tongue
- Removable wheel lock
- Full size trailer tires
- Four corner stabilizer jacks
- Cantilever suspension
- Heavy duty ruggedized frame
- Aluminum camera enclosures
- 280-degree camera aiming
- Two sealed 400 Ah lithium batteries with heater



Trinity Low Profile Technology Trailer: Standard

Trinity Base Small Technology Trailer Configuration – No radar or cameras. 750-Watt rotating solar cabinet (patent applied for), 400Ah sealed lithium battery w/on-board heater, 4G LTE/WiFi router, POE switch, 4 X corner camera ports, 2" TRINITY modular mounting receiver for optional upgrades, 1-year manufacturer's warranty (does not cover tires or batteries, break fix only, does not include travel).

Features:

- Mounts up to 4 Cameras
- Solar cabinet rotates 355 degrees
- 4G LTE router included
- 5 in 1 antenna included
- Removable tongue
- Removable wheel lock
- Full size trailer tires
- Heavy duty ruggedized frame
- Sealed 400 Ah lithium batteries with heater

Trinity Low Profile Technology Trailer: Radar

Trinity Base Small Technology Trailer with Radar Configuration - Cameras not included - 750-Watt rotating solar cabinet (patent applied for), 400Ah sealed lithium battery w/on-board heater, Stalker radar unit w/display, 4G LTE/WiFi router, POE switch, 4 X corner camera ports, 2" TRINITY modular mounting receiver for optional upgrades, 1-year manufacturer's warranty (does not cover tires or batteries, break fix only, does not include travel).

Features:

- Radar head
- Mounts up to 4 Cameras
- Solar cabinet rotates 355 degrees
- 4G LTE router included
- 5 in 1 antenna included
- Removable tongue
- Removable wheel lock
- Full size trailer tires
- Heavy duty ruggedized frame
- Sealed 400 Ah lithium batteries with heater



TRAILER ADD-ONS

Trinity Innovative Solutions offers several accessories to augment trailer performance and capabilities.

Trinity Mast Kit

Trinity's mast kit can be paired with the Standard, Media or Event trailers or used standalone from a vehicle's trailer hitch.





Mast Kit for Trinity Technology Trailer with Trinity PTZ Cameras

Mast Kit includes 13.1-foot pneumatic mast, 2 X NDAA compliant, 4MP PTZ Camera, 2 X 1TB Micro SD cards, 1/2.8" CMOS sensor, 2688*1520 @ 30fps in the main stream, Ultra 265, H.265, H.264, MJPEG, five streams, 33X Optical Zoom, Color-Low Light technology ensures ultra-high image quality in low illumination, environment Smart IR, up to 150m (492 ft) IR distance, AC 24V±25%, DC 24V±25% or PoE+(IEEE 802.3at) power supply, Alarm 2 in and 1 out, Audio 1 in and 1 out, IP66 ingress protection, Nycoil, dual-camera mast head mount, Portable Mast Vehicle Kit w/hardened case, 5-port POE switch, and master wiring harness. 1-Year Warranty.

Features:

- Can be mounted and operated on any vehicle equipped with standard receiver and auxiliary power
- 2 X 4MP PTZ Cameras
- Remotely aim and operate
- Cameras elevated to 15' when mounted on trailers
- Mast tilt feature
- Easily deployed by 2 people

Mast Kit for Trinity Technology Trailer without Cameras

Mast Kit includes 13-foot pneumatic mast, Nycoil w/cabling, waterproof cable connections, dual-camera mast head mount, Portable Mast Vehicle Kit w/hardened case, 5-port POE switch, laptop computer, desktop tripod, IP camera, and master wiring harness. Includes 2 X camera mounts for customer supplied cameras. 1- Year Warranty.

Features:

- Can be mounted and operated on any vehicle equipped with standard receiver and auxiliary power
- 2 X Camera mounts
- Rugged NVR with 4 TB SSD
- Remotely aim and operate
- Cameras elevated to 15' when mounted on trailers
- Mast tilt feature
- Easily deployed by 2 people



Mounted On Trailer



Mounted On Hitch

Generator

Trinity on-board generator option for Tech Trailers. Includes standard generator, generator security basket, and 1-year warranty.

Features:

- Easily moved from trailer to vehicle with standard hitch
- Gasoline fueled
- 8 hour run time

Battery Upgrade

Second 400Ah lithium battery available for all trailers.



TRINITY TOOL BOXES

Tool boxes are video and LPR ready, fit in the bed of any quarter-ton or half-ton pickup truck and be powered either off the vehicle's battery or on-board batteries.



Trinity Surveillance Toolbox: Standard

Aluminum construction, reinforced floor plate, locking lids, 6 X camera view ports, camera mounting brackets, radiant barrier, Charge Guard, wiring for power, ground, and ignition. Does not include cameras or processor. 1-year warranty included

Trinity Surveillance Toolbox: Battery

Aluminum construction, reinforced floor plate, locking lids, 6 X camera view ports, 1 X 400Ah lithium battery, LTE router and antenna, camera mounting brackets, radiant barrier, Charge Guard, wiring for power, ground, and ignition. Does not include cameras or processor. 1-year warranty included

Features:

- Video and LPR ready.
- Powder Coated Aluminum Construction
- Vehicle auxiliary or battery powered
- Multiple camera angles.
- Multiple camera options.
- 4G/5G LTE connectivity options.
- Record video on the edge or stream.
- Fits in any ½ ton or ¼ ton pickup truck.
- Integrated cooling system.
- Locking lids.



ACCESSORIES



Vehicle Cooling Fan

In-vehicle cooling fan draws air from the cabin and pushes it into the trunk to keep gear functioning. The two 120 mm low noise fans have thermostatic control and directional porting keeping equipment cool in the summer and warm in the winter.

Features:

- 6 x 9 speaker mount ventilation fan
- Sedan rear speaker enclosure
- Reduces heat load of electronic equipment located in trunk of vehicle
- 150 cfm total fan volume
- Programmable thermostat control (+32 F to +140 F)
- Directional porting
- 16 gauge cold rolled sheet metal
- Custom lettering available



Solar Power System

The TRINITY Solar Power System enables LPR, Surveillance and other installations that are power challenged. The solution provides 2 x 175W panels with TRINITY patented mounting. The 400 Ah Lithium battery (LiFeP04 chemistry) has a full comprehensive management system and internal heater. The mounting enclosure includes thermostatically controlled fan and 1000W inverter.

Features:

- 400Ah lithium battery
- Communication Protocol Full CAN Bus and RS485. Plug and Play installation
- 10-Year Limited Warranty
- 2 X 175-watt Solar Panels with Patented Trinity Mounting.
- Panel dimensions: 52.25" x 26.38" x 3.8". Est. Weight: 3.5lbs
- 40A Solar Controller
- Solar Panel Meter
- NEMA3R Housing with Patented Trinity Mounting and Lock.
- Housing dimensions: 16" x 23" x 17". Est. Weight w/Battery: 150lbs
- Thermostatically Controlled Fan
- Bulkhead Connectors for easy connectivity
- Quick Release Clamps for easy mounting



Pole

- A) Sectional Pole for Technology Deployment. 13-feet 11-inches, aluminum break-away telescoping pole (3 sections), 4-way full horizontal tilt, powder coated black. 2 X base plates, and 1-year warranty.
- B) TIS Portable Pole Mount Arm - Up to 4 cameras. Mounts on vertical pole.

Brackets

- A) TIS Portable Mounting Bracket Kit (incl. QR Clamps)
- B) Back Mount Plate Kit for the Portable Bracket
- C) Trinity Aiming Guide Kit
- D) Quick Release Worm Drive Hose Clamp