



STALKER[®]

StalkerRadar.com

Since 1977, Applied Concepts has designed and built high-quality and exceptionally versatile electronic systems in our manufacturing facilities in Texas.

More State Police agencies choose our Stalker traffic radar and laser systems than all of our competitors combined. And, over 68,000 US communities rely on our products for traffic safety.

We became the nation's largest and most trusted provider of advanced speed measurement technology because we place quality and performance above anything else. We are passionate about traffic safety and are dedicated to customer satisfaction.

I invite you to take a look at the PMG, our newest addition to the Stalker suite of traffic calming products.



Alan Mead
Alan Mead
Founder and CEO

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Pole Mounted Graphic Display

The Pole Mounted Graphic Display (PMG) is an important first step in alerting motorists to the designated speed in a specific area. With three different digit sizes available, the MUTCD-compliant PMG ensures optimal visibility for oncoming traffic from a great distance at any speed. Available sizes are: 12", 15", and 18".

The PMG is also a full-function variable message board that can be positioned next to any street, highway, school, or construction zone to display timely messages and alerts that are easily updated through NTCIP protocol.

This mounted display is portable and versatile for easy positioning and set-up.

In addition to speed alerts and messaging, the PMG gathers valuable traffic statistics in the background for simple wired or wireless download and analysis using **Stalker's Easy Analyst** software.



Available in 3 character heights: 12", 15", and 18"



Optional hitch mount



Quad-bay battery system

“ This product range is one of the essential infrastructure devices ensuring road safety for pedestrians and drivers alike. ”



GPIO-driven messaging



Custom and preset graphics

Power Options

- Solar/Battery System
- Internal or external AC power
- Direct vehicle power
- Battery Power (2 options)

Customized Operation

A powerful software application to create custom messages and animation, set and run schedules, oversee solar/battery status, and manage radar options and traffic data.

High Water Sensor

An external water level sensor can be pole mounted, or placed on or close to the ground, depending on the water depth required for an alert.

Communication Options

GPIO

The PMG's General Purpose Input/Output (GPIO) control option allows the unit to receive an external on/off signal to start a message, animation, or action.

Ethernet Connectivity

The Ethernet option connects the PMG to a Local Area Network through a standard RJ-45 connector. An internally hosted web page gives you full access to PMG controls.

Short Range Wireless Connectivity

The PMG can communicate with smart devices using a wireless option and standard wireless protocols.

NTCIP

National Transportation Communications for Intelligent Transportation System (ITS) Protocol (NTCIP) allows electronic traffic control equipment from different manufacturers to operate with each other as a system.

Wi-Fi

The Wi-Fi option allows computers or mobile devices to connect to its network and gain full access to PMG controls through its internally hosted web page using an onboard modem.

Traffic Alert Strobes

Powerful red and blue, amber, or all white alternating strobes alert motorists at pre-set speed thresholds

Messaging and Graphics Option

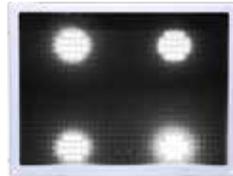
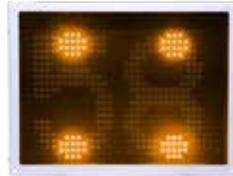
An optional, intuitive, user-friendly graphics editor allows you to quickly and easily build custom messages, graphics, and animations.

Gather Valuable Traffic Statistics

The PMG collects traffic statistics at the same time it performs its messaging operation. Traffic data can then be turned into meaningful reports using the **Stalker Easy Analyst** software.



Pictured is a 12" PMG with MUTCD-compliant YOUR SPEED surround. The unit is powered by a 50-watt solar panel and quad-bay battery system.



*Powerful traffic data tool
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Message Center 360

The Stalker Radar Message Boards brightly display text visible at over eight hundred feet through the full-matrix of MUTCD compliant Amber LED characters.

Communication is vital for areas where motorists need to be alerted to specific traffic conditions like construction zones, change of speed, road hazards, special events, and other time-sensitive alerts. Reduce crashes by pro-actively communicating with your road users.

The MC360 has over 300 pre-programmed alert messages and arrows stored in the on-board computer. The MC360 can be configured with optional Stalker Radar Speed sensors for speed feedback and statistical traffic analysis. An optional communications package can be used to remotely manage messaging and data retrieval.

With four deep-cycle batteries in the trailer, our message boards are ready to be deployed for days at a time. When ordered with the optional solar panels, the system is capable of running perpetually.



Optional solar panel system



Efficient travel configuration



Onboard computer



Optional flashing strobes

Full-Matrix LED Display

Energy-efficient LED display provides legibility at up to 850 feet and a 10-year average operational life.

On-Board Dedicated Computer

A NTCIP compliant, 365-day calendar is controlled by a full-size, onboard keyboard. Plus, 250 text, 60 graphic, and 20 arrow board display messages can be preprogrammed and stored in the controller with an additional 100 user-created messages.

Deep-Cycle Batteries

Four 6-volt deep-cycle batteries provide up to 21 days of continuous operation, yielding longer operational time between battery charges.

OPTIONS

Solar Panels

Top-mounted solar panels recharge a day's worth of battery use with only 4 hours of bright sunlight allowing for nearly "infinite" field operation.

Integrated Traffic Statistics

When added to the MC360, an available statistical package gathers valuable traffic data for improved grant writing support and verification of the sign's impact on traffic speeds.

Web-Based 4G Remote Access

Real-time message updating and control is now available on all Stalker Message Center 360 trailers. The system is smartphone and tablet compatible and also provides battery voltage monitoring and alerts.

Graffiti-Resistant Powdercoat

The trailers can be powder coated with a heavy zinc primer for improved resistance to graffiti and the elements, while its all-steel construction provides a sturdy platform and reduces damage sustained in the field.

Automated License Plate Recognition

The MC360 trailers can be outfitted in an ALPR-ready configuration.

Electric Winch

An electric winch is available to raise and lower the display panel with the push of a button.

“ An absolute necessity when you need to alert motorists to more than just the speed limit. ”



Web-Based 4G Remote Access



An onboard modem provides real-time remote access for message updating and control.



Display available in 4' x 8' and 3' x 6'



*Powerful traffic data tool
page 11*



Speed Awareness Monitor

Our Speed Awareness Monitor (SAM) accurately measures speed in a versatile, durable, and dependable trailer platform. The SAM is easily deployed to quickly respond to citizen complaints.

The 18" tall numerical display is legible up to 1,000 feet. Deep cycle batteries allow the trailer to be used for 18 straight days in moderate traffic. Optional solar panels allow the trailer to be deployed continuously.

This traffic-control monitor captures and compares moving vehicles to the easily programmed speed threshold. Programming is done on a small, hand-held controller. Driver awareness is enhanced with optional, flashing LED lights that alert drivers who exceed the speed limit. The SAM is constructed to withstand possible vandalism.

The Stalker SAM is an intelligent device that tracks speed and other traffic statistics for use in our Easy Analyst software program. Store, analyze, and report traffic data for road safety or grant writing.



Optional solar panel system



Onboard battery and controller



Handheld controller

Stalker K-Band Radar

The speed measurement component is pure Stalker - accurate and durable. Stalker's Stationary Speed Sensor II radar has greater range, sensitivity, and tracking when compared to competitive signs' radar.

4D Deep Cycle 12-volt Battery

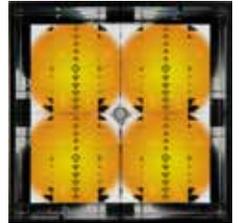
Provides over 18 days of continuous operation for longer operational time between battery charges.

Dedicated Hand-Held Controller

Complete programming and diagnostic functions in the palm of your hand.

LED Lamp Matrix

Concentrated and focused LEDs allow the motorist to see the sign at a greater distance. LED Pulse Width Modulation significantly increases the time between battery charges and powers the LEDs so that they remain at a consistent brightness throughout the battery's discharge cycle.



Retractable/Removable tongue

OPTIONS

Top-Mounted Solar Panel

The panel recharges a day's worth of battery use with only 2.5 hours of sunlight allowing for "infinite" field operation.

Programmable LED Violator Alert

High powered LED Violator Alert flashes to warn motorists when they have exceeded a pre-set speed. Three different user-programmable settings and choice of blue/red or white/white.

Graffiti-Resistant Paint

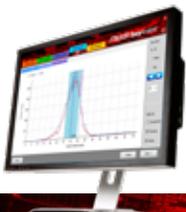
The trailers can be powder coated over a heavy zinc primer for improved resistance to graffiti and the elements, while its all-steel construction provides a sturdy platform and reduces damage sustained in the field.

“ The SAM is easily deployed to quickly respond to citizen complaints. ”

Programmable LED Violator Alert >>



Retractable / removable tongue



STALKER EasyAnalyst

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SAM-R

The Rotatable Speed Alert Monitor (SAM-R) takes features customers have asked for the most, and combines them into an efficient, versatile, and low-cost trailer. The display alerts approaching motorists to varying speed limits, while data can be collected from both approaching and receding traffic.

Optional, bright LED lights can be programmed to flash red and blue, warning motorists who have exceeded the speed limit.

The SAM-R's innovative design allows the display to pivot and lock easily for set-up, towing, and positioning.



Innovative design allows display to pivot and lock for easier towing, setup, and positioning.



LED Lamp Matrix and Pulse Modulation

Concentrated and focused LEDs allow the motorist to see the sign at a greater distance.

LED Pulse Width Modulation significantly increases the time between battery charges and powers the LEDs so that they remain at a consistent brightness throughout the battery's discharge cycle.

Stalker K-Band Radar

The speed measurement component is pure Stalker - accurate and durable. Stalker's Stationary Speed Sensor II radar has greater range, sensitivity, and tracking when compared to competitive signs' radar.

Group 27 12-Volt Battery

Provides 8-10 days of continuous operation for longer operational time between battery charges - more with 2nd battery installed.

Dedicated Hand-Held Controller

Complete programming and diagnostic functions in the palm of your hand.

Removable Tongue

OPTIONS

Top-mounted solar panel

Recharges a day's worth of battery use with only 2.5 to 3 hours of sunlight for long-term field operation.

Programmable Violator LED Alert

High powered LED Violator Alert flashes to warn motorists when they have exceeded a pre-set speed. Three different user-programmable settings and choice of blue/red or white/white LEDs.

Graffiti-Resistant Paint

The trailers can be powder coated with a heavy zinc primer for improved resistance to graffiti and the elements, while its all-steel construction provides a sturdy platform and reduces damage sustained in the field.



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Mini Message Trailer

Small in size but big on features, the new Stalker Mini Message Trailer is a modular text and moving graphics display system on a solid trailer platform. The display is powered by the Stalker PMG - a full-function, dynamic matrix message board. Traffic data reporting using the included Stalker Easy Analyst software is as easy as 1, 2, 3.

Group 27 12-Volt Battery

Provides 8-10 days of continuous operation for longer operational time between battery charges - more with 2nd battery installed. Also includes an onboard battery charger.

Heavy Duty Trailer

Once in place, a removable tongue and swing-away jacks make setup quick and easy. A changeable speed limit sign and removable mast and display add function and efficient towing.

OPTIONS

50 watt solar panel

Recharges a day's worth of battery use with only 2.5 to 3 hours of sunlight for long-term field operation.

12", 15", or 18" PMG

Text and graphic display, simulated camera flash, alert strobes, and wireless communication are all optional features that can be added to the onboard Stalker PMG.

See page 2 for more information on the Stalker PMG



Tongue removed



Battery box



12" digit height model shown

Removable mast and display

Removable tongue

Shown with optional solar panel

Traffic Data Collector

Covertly capture important traffic data with a simple on/off switch. The TDC mounts easily and securely with the ability to quickly move to strategic locations in any weather condition. Highly accurate NHTSA free-flow traffic count data is secure and ready for analysis using the Easy Analyst Software.

An internal battery allows for 7 days of unattended operation with optional solar power for extended use.



Rugged mount

Mounts Easily and Securely

A Tamper-resistant bracket to attach, mount, and lock the unit with the ability to move to strategic locations as necessary.

Runs up to 7 Days Unattended

A sealed, field-swappable lead-acid battery (no leak, even upside down) is paired with an Internal charger. An external fast charger is also available.



Simple controls

Stores Data Securely

The TDC contains 16 MB of internal memory with data transfer using a USB flash drive.

Captures Data Accurately

Powerful sensor captures highly accurate NHTSA free-flow traffic count at a range of up to 800 ft.

Optional Solar Power Kit

Using solar power, operate indefinitely with minimum required sunlight. Data is preserved even with a fully discharged battery.



Optional solar panel

“Collect and analyze valuable traffic data to support Grant applications and community policing with set-it-and-forget-it efficiency.”



Powerful traffic data tool
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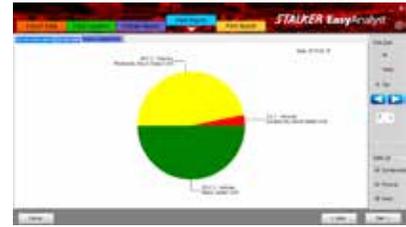
Easy Analyst Software

Easy Analyst is Stalker's proprietary tool for analyzing traffic data gathered by our products. With it, raw data from our sensors is formatted into impactful reports and presentations to support grant applications, inform governmental leaders, or address citizen concerns.

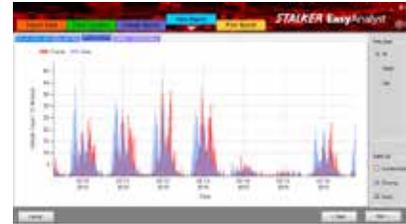
Easy Analyst's strength lies in its ability to turn raw traffic data into meaningful reports quickly and easily. With a few clicks, a user goes from raw data to a fully formatted, graphics-rich presentation. It's as easy as 1, 2, 3.

Import your data, enter your location information, and choose your report. It's that simple.

- Speed Enforcement Report
- Speed Compliance Report
- Speed Profile Report
- Traffic Density Report
- Traffic Matrix Report
- Speed Profile Bubble
- Traffic Volume Report



Count vs Speed pie chart



Count vs Time



Speed - Volume Matrix



Count vs Speed



Survey Summary

“ Easy Analyst is a critical tool for city council, traffic management, and law enforcement. ”

An optional, full version of Traffic Analyst is available from within EasyAnalyst. This full-feature version allows you to insert department or community logos, and customize the report to your preference.





Specifications

	MC 360 - 4' x 8'	MC 360 - 3' x 6'	SAM	SAM-R
Width	68" (172 cm)	68" (172 cm)	68" (172 cm)	68" (172 cm)
Height	134" (340 cm) raised 102" (259 cm) travel	131" (333 cm) raised 99" (251 cm) travel	91" (231 cm)	76" (193 cm) w/solar
Depth	107" (272 cm) w/tongue 55" (140 cm) display	107" (272 cm) w/tongue 55" (140 cm) w/o tongue	116" (295 cm) travel 57.5" (146 cm) display	110" (279 cm) travel 57.5" (146 cm) display
Weight	850 lbs. (385.5 kg)	850 lbs. (385.5 kg)	700 lbs. (317.5 kg)	680 lbs. (308 kg)
Tongue Weight	75 lbs. (34.5 kg)	75 lbs. (34.5 kg)	70 lbs. (31.7 kg)	60 lbs. (27.2 kg)
Main Frame Material	2" x 3" x .120 formed steel (11 gauge)	2" x 3" x .120 formed steel (11 gauge)	2" x 4" x .120 mild steel	2" x 4" x .120 mild steel
Operating Temperature	-13° to +122° F (-25° to +50° C)			
Lift Mechanism	1500 lb. anti-reversing	1500 lb. anti-reversing	--	--
Cabinet	2.3 mm welded alum. powder coated	2.3 mm welded alum. powder coated	.156" ABS plastic	.156" ABS plastic
Display Height	48" (122 cm)	44" (112 cm)	36" (91 cm)	36" (91 cm)
Display Width	96" (243 cm)	77" (1.83 m)	25.5" (65 cm)	25.5" (65 cm)
Display Depth	4.25" (10.8 cm)	4.25" (10.8 cm)	5.25" (13 cm)	5.25" (13 cm)
Character Height	12" (30 cm) / 18" (46 cm) up to 4 lines	8" (20 cm) / 37" (94 cm) up to 4 lines	18" (45 cm)	18" (45 cm)
Lamp	30° amber LED	30° amber LED	LED	LED
Legibility	Up to 850' (260 m)	Up to 850' (260 m)	Up to 1000' (305 m)	Up to 1000' (305 m)
Full Matrix Pixels	25 rows / 48 columns	28 rows / 48 columns	--	--
Illumination	Active LED (4/panel)	Active LED (4/panel)	LED Lamp Matrix	LED Lamp Matrix
Viewing Area	44" x 84" (112 cm x 213 cm)	36" x 63" (91 cm x 160 cm)	25" x 18" (63 cm x 46 cm)	25" x 18" (63 cm x 46 cm)
Window Face	.125" Lexan	.125" Lexan	.125" Lexan	.125" Lexan
Energy Source	(4) 6 V deep-cycle batteries	(4) 6 V deep-cycle batteries	4D deep-cycle battery	Group 27 - 12 V battery
Autonomy	21 days @ 78° (25° C)	21 days @ 78° (25° C)	18 days @ 78° (25° C)	8-10 days @ 78° (25° C)
Solar panel system (opt.)	140 W array	140 W array	55 W array	55 W array
Recovery Rate	4 hours sun/1 day	4 hours sun/1 day	2.5 hours sun/1 day	2.5 hours sun/1 day
Radar detection distance	Up to 1200' (365 m)			
Radar beam width	30° x 32°	30° x 32°	30° x 32°	30° x 32°
Directionality	Approach for display Approach + receding (data)			
Data memory	Internal	Internal	Internal	Internal
Connection method	USB	USB	USB	USB
Ingress rating range	IP55	IP55	IP55	IP55
Power consumption (idle) (88 at 100% brightness)	--	--	--	--

Mini Message	TDC	PMG 12"	PMG 15"	PMG 18"
57.5" (146 cm)	8.7" (22 cm)	21.2" (54 cm)	25.8" (65cm)	30.3" (77cm)
102" (260 cm) with signs installed	12.4" (31 cm)	16.1" (41 cm)	19.2" (49cm)	22.1" (56cm)
84" (213 cm) travel 54" (137 cm) display	5.2" (13 cm)	2.1" (5 cm)	2.1" (5 cm)	2.1" (5 cm)
600 lbs. (272 kg)	7.7 lb. w/o battery 21.4 lb. w/battery	9.3 lbs. (4.2 kg)	13.2 lbs. (5.98 kg)	17.45 lbs. (7.92 kg)
78 lbs. (35.4 kg)	--	--	--	--
11 gauge steel tubing	--	--	--	--
(See PMG model)	-22° to +122° F (-30° to +50° C)	-22° to +122° F (-30° to +50° C)	-22° to +122° F (-30° to +50° C)	-22° to +122° F (-30° to +50° C)
--	--	--	--	--
2.3 mm welded alum. powder coated	Polycarbonate	2.3 mm welded alum. powder coated	2.3 mm welded alum. powder coated	2.3 mm welded alum. powder coated
(See PMG model)	--	12" (30.5 cm)	15" (38 cm)	18" (45.7cm)
(See PMG model)	--	18.5" (47 cm)	23" (58.4 cm)	25.5" (64.8 cm)
--	--	--	--	--
(See PMG model)	--	12" (31cm)	15" (38cm)	18" (46 cm)
Amber, 590 nm	--	Amber, 590 nm	Amber, 590 nm	Amber, 590 nm
(See PMG model)	--	600' (183 m)	750' (230 m)	900' (275 m)
(See PMG model)	--	21 rows / 36 columns	25 rows / 42 columns	31 rows / 48 columns
Active LED	--	Active LED	Active LED	Active LED
(See PMG model)	--	19.375" x 12.125" (49 cm x 31 cm)	24" x 17.75" (61 cm x 45 cm)	28.5" x 20.25" (72 cm x 51 cm)
4.5 mm acrylic	Polycarbonate	4.5 mm acrylic	4.5 mm acrylic	4.5 mm acrylic
Group 27 - 12 V battery	Sealed lead-acid	AC, DC, or Solar	AC, DC, or Solar	AC, DC, or Solar
--	7 days	--	--	--
50 W	30 W	30 W, 50 W, or 100 W	50 W or 100 W	100 W
--	--	--	--	--
800' typical (240 m)	800' typical (240 m)	800' typical (240 m)	800' typical (240 m)	800' typical (240 m)
30° x 32°	30° x 32°	30° x 32°	30° x 32°	30° x 32°
Approaching + receding	Approaching + receding	Approaching + receding	Approaching + receding	Approaching +receding
Internal	16 MB internal Up to 32 GB external	Internal	Internal	Internal
Wireless and USB	USB	Wireless and USB	Wireless and USB	Wireless and USB
IP65 waterproof	IP65 waterproof	IP65 waterproof	IP65 waterproof	IP65 waterproof
(See PMG model)	--	1.6 watts 14 watts	1.6 watts 20 watts	1.6 watts 26 watts

These featured Stalker Radar products are designed to make communities safer, protect the lives of pedestrians, motorists, law enforcement, and construction zone personnel through enhanced traffic enforcement. Our messaging units provide proactive communication of specific traffic warnings and time-sensitive alerts.

The technology behind our traffic data analysis is both effective and provides real-world results that can be recorded, measured, and analyzed.

At Stalker Radar, we are committed to creating innovative products that provide the greatest performance and produce the most accurate results.

For additional information on these products, contact us at 1-800-STALKER for our Law Enforcement Sales division.

For inquiries via e-mail contact sales@stalkerradar.com.

Thank you for considering Stalker Radar products.

StalkerRadar.com

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Power to Enforce.

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