



ADD61S AHD Sensor System



Monitor System Sold Separately

Please read this manual completely
before operating the system.

A division of

Component Solution Services, LLC.

56600 Twin Branch Drive, Mishawaka, IN 46545

www.VeritySafe.com

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Component Solution Services, LLC. All rights reserved.

Component Solution Services, LLC engineers the **Verity®** products to meet any requirement and price point within the commercial and fire/rescue industries. Verity products are designed for professional drivers. We develop and market products and applications that transmit video, audio, and data. Verity® is also home to the Reveal® line of MDVRs.



The Verity Difference:

- We are an engineering firm
- Products designed and tested in the USA
- Field-tested, not just bench-tested
- Low issue rate of 0.022%
(That is one component out of 5,000+ systems)
- Not sold in big-box stores or on online mega-sites
- Easy to reach tech support from our R&D department

Verity integrates the needs of the fleets and end-users into what we engineer for our OEMs.

Replacement parts: www.VerityParts.com

**THINK SAFETY FIRST –
Read before installing or operating.**

Most likely, your system was preinstalled, so the installation section is for reference.

Thank you for your purchase of our Verity® products. When installed and used properly, your ADD61S AHD is designed to deliver years of dependable operation. This manual contains important information required to properly install and operate the unit. Verity systems are designed for quick installation by trained professionals in proper installation environments. Our designs are based on decades of working with vehicle manufacturers.

Verity products are intended to be installed as a supplement. Our observation systems and products are not intended for use as substitutes for rear-view mirror devices, or for any other equipment that may be required to be installed on vehicles by law. Verity products promote improving the vehicle operator's field of view. Our products are no substitute for proper defensive driving techniques, observance of traffic laws and motor vehicle safety regulations.

Installation Location

It is unlawful in most locales for any person to drive a motor vehicle equipped with a television viewer/screen located at any point forward of the back of the driver's seat (or in any location that is visible, directly or indirectly) to the driver while operating the vehicle. Our systems are designed to be used primarily as a rear observation device.

DO NOT OPEN ANY COMPONENT. There are no serviceable parts inside any of the components of the Verity products. Opening the product will break the tamper indicators and void the warranty.

WARNING

- Do not place heavy objects on cables or cover them with carpet or mats.
- Do not place cables where they can be crushed in any manner.
- Our systems are designed as a driving aid. Watching videos, broadcasts, DVDs and/or any images other than intended driving assistance cameras is prohibited.

CAUTION

- To avoid damage to the electronic circuit, disconnect the system's power before welding on the vehicle or trailer.
- Never immerse any component in water, and do not use spray cleaners. When cleaning, use a damp lint-free cloth only.
- Connect this unit only to compatible devices.
- Although our products have built-in surge and reverse polarity protection, make sure all cables are connected properly; improper cable connections may damage the camera and the monitor.
- Keep cables away from hot or rotating parts, such as the engine and fan.
- Do not locate the monitor near heat-generating vents or devices.
- Turn off power to the monitor before connecting the camera.

FUNCTIONS

- Ultra-long detecting distance, detecting range 8 inches to 9 feet.
- The sensor remember fixed rear obstacle distance (for example, grab rails), and avoid continuous alarms.
- Numeric display.
- Adjustable buzzer volume.
- The maximum spacing between sensors is 31 inches (80 cm).

SPECIFICATIONS

- Operating voltage: 12-32 V
- Rated current: 60 mA
- Sensor distance coverage: 8 inches to 9 feet
- Working temperature: -4°F to +158°F (-20°C to +70°C)
- Blind area: <8 inches

New ECU Housing



New Screen Display



COMPONENTS



ECU



4 Sensors



Adjustable Buzzer



4 sensor extension cables, 2m each.



Sensor Harness

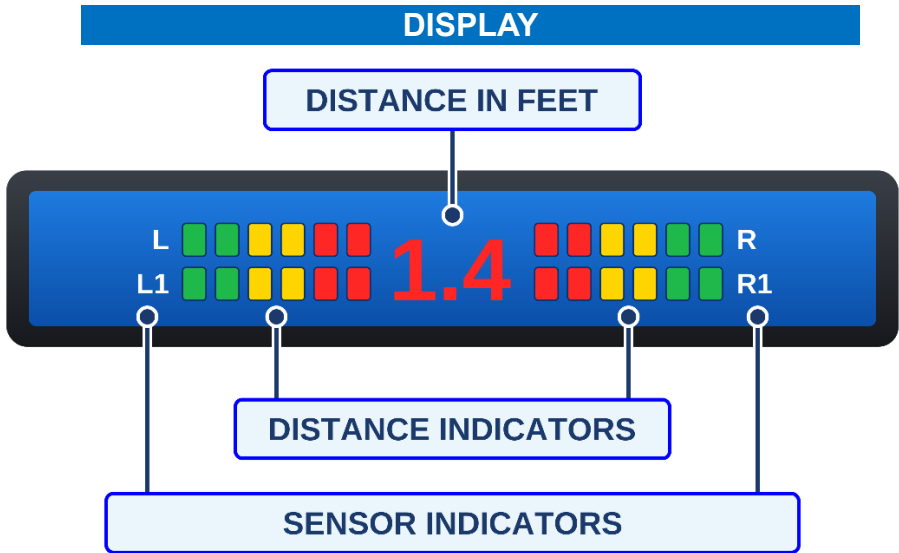


10m. Camera Cable
(Camera sold separately)



2-pin Buzzer Extension
Cable

Larger Wiring Diagram
At www.VeritySafe.com
Systems-ADD61S AHD



Display / Buzzer Indicators

Distance / Distance Displayed	Tone
0-1.3 ft (0.00-0.40 m)	Long beep
1.5-2.6 ft (0.45-0.80 m)	Long beep
2.8-4.6 ft (0.85-1.40 m)	Beep.Beep.Beep. (160 ms on, 80 ms off)
4.8-6.2 ft (1.45-1.90 m)	Beep.Beep.Beep. (160 ms on, 80 ms off)
6.4-9 ft (1.95-2.40 m)	Beep..Beep..Beep.. (160 ms on, 230 ms off)

BUZZER INSTALLATION

In-cab buzzer: mount it inside the truck cab, NOT near the rear bumper.

The buzzer is the only 2-pin connection in the system. This prevents wrong connections. The buzzer has a volume switch. Settings are Off / Lo / Hi.

Turning off the buzzer should not be an option because it removes the functionality of the system.

The buzzer has adhesive tape for quick installation. Be sure to mount it in a place where it can clearly be heard. Under the seat against the back wall of the cab is not a good location.

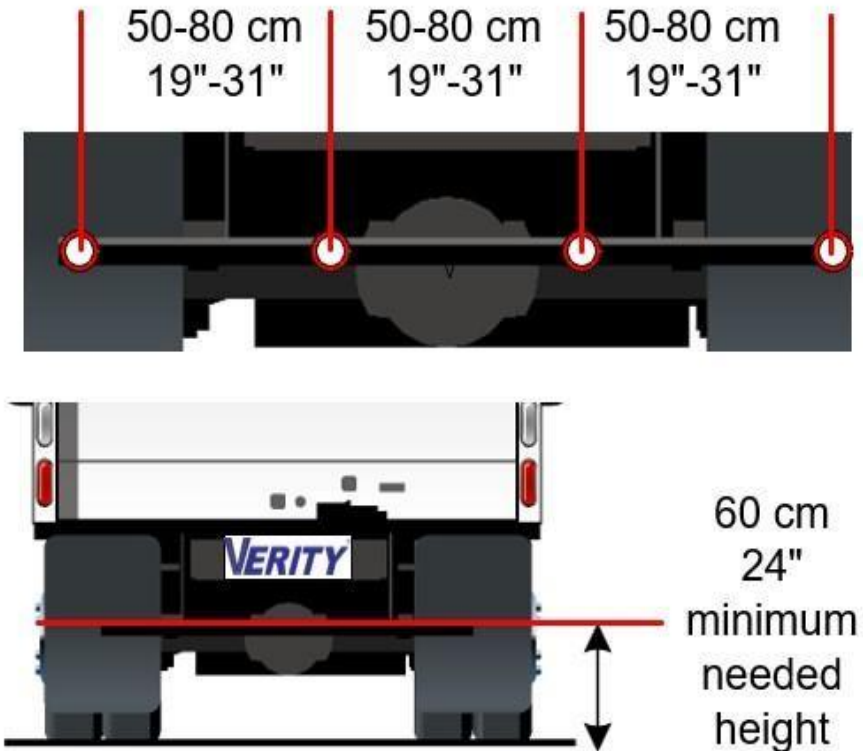
Off is for maintenance purposes only.



SENSOR INSTALLATION

Distance between sensors: 50–80 cm (19–31 in)

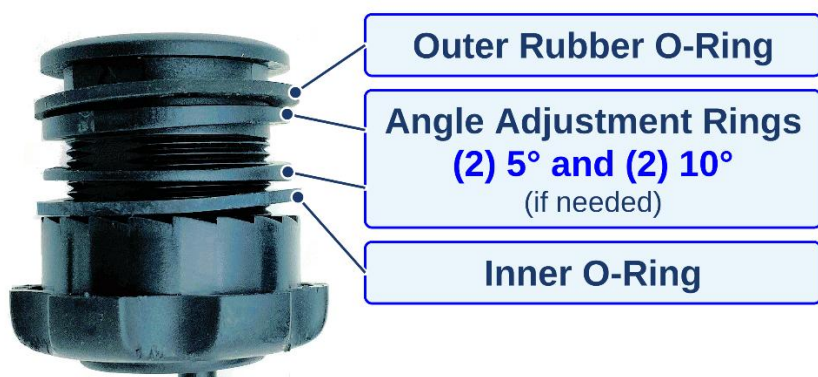
Mount the sensors at least 60 cm (24 in) above the ground. Sensors do not detect objects closer than 20 cm (8 in). Install four sensors evenly across the rear.



The Sensors are 4-pin waterproof aviation connections. They are universal and can be attached to any of the four connections on the sensor harness.

Sensor hole size: 24.4 mm to 25.4 mm (0.96 in to 1.00 in)

O-rings and angle adjustment rings



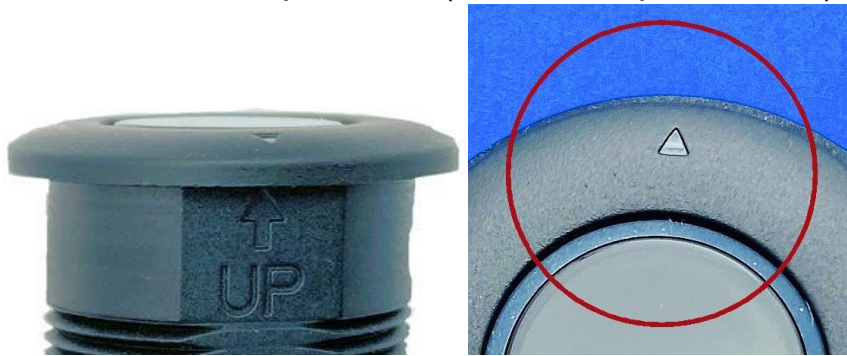
5° and 10° angle adjustment rings are supplied to compensate for a mounting surface angled up to 10°.



Angle Adjusters

Go directly behind the sensor, in front of the rubber O-Ring

Each sensor has a top and bottom. The arrow on the sensor face must point UP. (One arrow per sensor.)

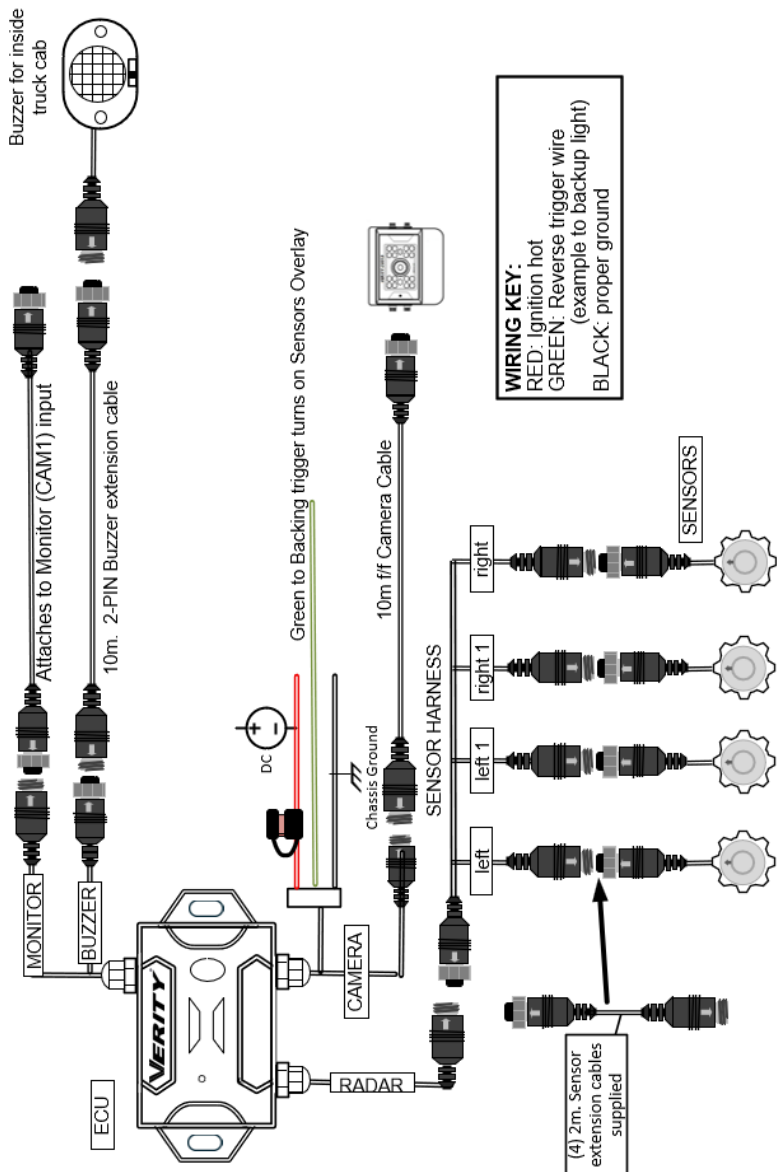


ECU INSTALLATION

Inside the **LEFT/DRIVERS** rail area is the suggested location. The final location depends on the space available in your installation.



WIRING DIAGRAM



OPTIONAL SAFETY ADD-ON.

4-Channel Truck Grade MDVR

REC02U is a dual SD card hybrid HD MDVR that can record your camera view(s), including the job or delivery site. It can be set to record continuously throughout the day. Video storage SD cards are behind a locked door. Video storage SD cards are behind a locked door.



NOTES:

Verity A division of
COMPONENT SOLUTION SERVICES, LLC (CSS)
LIMITED One (1) YEAR WARRANTY

1. CSS products' warranties are not transferable. They apply to the consumer for one (1) year and cover defects in material and workmanship. We do not warrant our cables, which are QC tested at three different stations before shipping. All components must be installed in compliance with all Federal, State, and Local government requirements. The warranty is limited to the United States of America and Canada.
2. Defective components will be replaced or repaired based on a CSS evaluation of the component. Inbound shipping charges, based on the CSS rate allocated in the RMA (return merchandise authorization), will be covered once the component has been deemed defective. The pre-assigned inbound freight will be provided when the product is returned. All repaired/replaced warranty parts shall be for the remaining duration of the original warranty period.
3. CSS takes pride in our products and will aid in the processing of your components:
 - a) All warranty claimants must have consulted our technical support department for troubleshooting and acquiring an RMA. Contact can be made via email at tech@veritysafe.com or call 574-807-6002.
 - b) When the warranty claim is made, the consumer must establish the warranty start dates by presenting documentation regarding the date of retail purchase (e.g., bill of sale).
 - c) Service performed by non-authorized service personnel may void all warranty claims.
 - d) CSS will make no payments for system removal/system re-installing, mileage allowance, or transportation expenses. Verity does not pay for labor. The limited warranty does not cover damage resulting from misuse, accident, modification, or alteration to hardware or software, tampering, unsuitable physical or operating environment beyond product specifications, improper maintenance, or failure caused by a product for which CSS is not responsible. There is no warranty for any product with removed or altered identification labels. CSS DOES NOT PROVIDE ANY OTHER WARRANTIES OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF IMPLIED WARRANTIES, SO THIS LIMITATION MAY NOT APPLY TO YOU.
4. This warranty gives you specific legal rights; you may also have other rights that vary from state to state.

Technical Support

A service ticket can be filled out online to supply the quickest service. The service ticket can be easily found on our website, www.VeritySafe.com, or use the code to the right. When you contact the service department, please have two serial numbers ready: the ADD61S AHD number (on the ECU and the box) and the monitor number (on the back of the monitor).

We take great pride in delivering dependable products in the industry. Each item is 100% QC tested, and we randomly recheck up to an additional 10% before shipping. We have a 0.022% issue rate with our products.



Email Tech Support: Tech@VeritySafe.com

Phone Tech Support: 574-807-6002

Note: If you are a fire/rescue customer who needs tech support after hours or on weekends, leave a message. A technician will return your call as soon as one is available.



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Mishawaka, IN 46545

574-807-6002

Toll-Free 844-875-4799

We at Verity would like to personally thank you for purchasing our product. Our company strives to supply the best products at a fair price. We care that you enjoy a safe driving experience.

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