7-INCH "S" SERIES SYSTEM
Part # SM07S

Please read this manual completely before operating the SYSTEM

A division of
Component Solution Services, LLC.
56600 Twin Branch Dr.,
Mishawaka, IN 46545
wwwVerityRVS.com

Lifetime, 24/7 live Tech Support

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SALES
574-807-6005

TECH SUPPORT
574-807-6004

WWW.VERITYRVS.COM
VERITYRVS®

Our tech support is manned by real people in front of all of our powered-up systems prepared to knowledgeably talk you through an issue solution – not a person with no knowledge in front of a spreadsheet of prepared phrases. Verity=24/7 support for OEMs and Fleets.
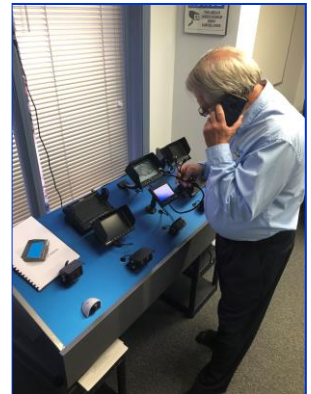
ABOUT US

Component Solution Services, LLC offers the Verity Rear Vision Systems $^®$ (Verity) to meet any requirements and price point within the trucking, specialty vehicles, and RV industry. Verity is also home to the Supreme View$^®$ line of specialty format systems. Our standard cabled systems offer unparalleled features into the trucking and RV industries. Designed for professional drivers, **Verity** develops and markets products and applications to transmit video, audio, and data either individually or in all combinations. The company has also developed, manufactured, and marketed different kinds of personal and vehicle video cameras, DVRs, and accessories for the commercial transportation, fire/rescue, and marine OEM markets.

The photograph above shows our new 5,000 ft addition.

Use this barcode or
link to visit our
website
www.verityrvs.com

Most likely, your system came pre-installed so the installation section would be for reference.

Thank you for your purchase of our Verity Rear Vison System SM05S. When installed and used properly, your SM07S is designed to deliver you years of trouble-free operation. This manual contains important information required to properly install and operate the unit. Verity units 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 and our observation systems and/or products are not intended for use as substitutes for rear-view mirror devices, or for any other standard motor vehicle equipment which 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 locals 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 SM07S. Opening the product will break the tamper indicators and void the warranty. Contact our tech support if a problem should arise: 574-807-6002. For faster response, fill out a service ticket found on our website. www.verityrvs.com

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, stop using this product while doing welding work to the vehicle and/or trailers.
♦ Never immerse any component in water, and do not employ spray cleaners. When cleaning, use a damp lint-free cloth only.
♦ Connect this unit only to other compatible devices.
♦ Although our products have built-in surge and cross polarity protection, make sure all cables are connected properly; improper cable connections may damage the camera and the monitor.
♦ Cables should not be allowed to touch hot or rotating parts, such as the engine, ventilator, etc.
♦ Do not locate the monitor near heat generating vents or devices.
♦ Turn off power to the monitor when connecting the camera.

Monitors are not designed to be waterproof. (Our SM07F waterproof monitor is the exception). Exposure to water, such as rain, may damage the unit.

MONITOR SPECIFICATIONS
(Monitor part #MK07S)
Screen size: 7-inch digital screen (16:9)
High Resolution: 1024 × 600 Pixel (RGB)
System: PAL/NTSC selectable
Contrast: 400:1
Brightness: 300 cd/m2
Power supply: DC 12V~24V with reverse polarity protection
Operation temperature: -30°~80°C
Storage temperature: -20°~70°C
Monitor view angle: Horz. L(70) R(70)   Vert. UP(50) DOWN(70)
3 AV with shrink tube labeled trigger wires,
Auto blue screen if no signal on the activated channel.
Size: 7" (W) x 4 ¾" (H) x 2 ¾" (D)   Weight: 14.7 oz
Features: Removable HD sunshade, LCD screen, LED blue light
buttons, high-quality processor, in-line waterproof fuse, easy to use
OSD menu function via buttons: reversing image delay time 0~10s,
 Mirror/Normal image, plus horizontal flip, multi-language, high
output speaker.

CAMERA SPECIFICATIONS
(Camera Part #C001S)
Horizontal Resolution: 600 TV Lines
TV System: NTSC
Image Type: 1/3 Inch Color CCD SONY (or equivalent)
(no cheap off brands used)
Effective Pixel: 976 (H) x 499 (V)
Illumination: 0 Lux (built-in 17 high output IR LEDs for night vision)
Aluminum Housing
Waterproof: IP69K
Power Supply: DC 12V (power from the monitor)
Shockproof: 10G
Operating Temperature: -40°~70°C
Built-in Microphone
Viewing Angle: 170°

7-Inch digital
LCD monitor

Manual

Weatherproof Camera
with night vision

20-Meter Camera

13-pin to 4-pin Monitor
Harness

"Fan" Style Mount

This monitor can be mounted on the dash and also on horizontal and vertical surfaces.   Make sure the view is suitable for the driver to observe the images. Take care not to block any necessary viewing area when mounting. Before mounting the system, permanently hook up all connections to ensure proper operation.

Mounting Monitor

- After determining the monitor location, position the monitor support bracket, mark the bolt hole location and then drill the holes. Be careful not to drill into any other surface that wires and components may be hidden.
- Attach monitor Fan bracket
- Connect one end of the power cable (wire) to the proper connections. Connect the other end of the power cable (plug) to the monitor; connect the monitor and the camera with the 13-pin system connecting the cable. (see page 9)

Camera Connection
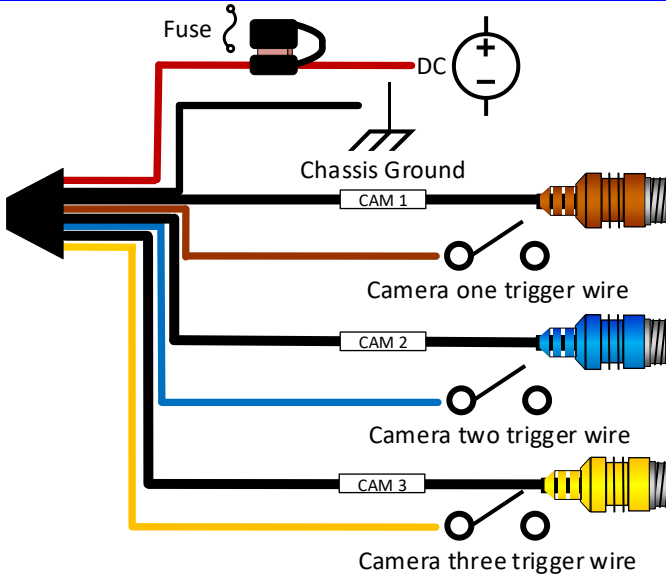## Do NOT make the cable tight from the back of camera going into the truck

Waterproof Aviation Connectors

Thru-wall Gasket to Seal Thru Vehicle Exterior

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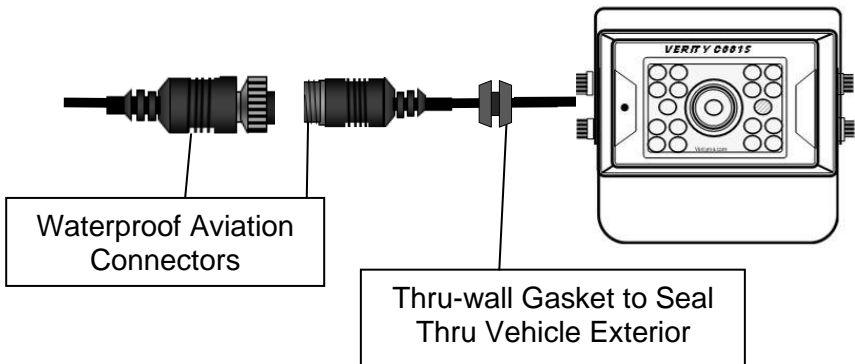
Be sure to use the vibration gasket when installing the camera. It is package with the camera hex wrench.

CABLE CONNECTIONS

Fuse

DC

Chassis Ground

CAM 1

Camera one trigger wire

CAM 2

Camera two trigger wire

CAM 3

Camera three trigger wire

Wire Connection Key:

- ♦ RED wire to ignition hot (+) 10-26 volts
- ♦ BLACK wire to ground (-) (please use a chassis ground post)
- ♦ BROWN trigger wire is for camera 1. Connects brown trigger wire to backup light wire or backup beeper wire. This connection is needed to activate the monitor when putting the vehicle into reverse.
- ♦ BLUE (CAM 2) trigger wire for accessory cameras (side cameras etc.) DO NOT power this wire unless you intend to trigger a second camera. It will be connected to your trigger power source, such as a turn signal light wire.
- ♦ YELLOW (CAM3) trigger wire for accessory cameras (side cameras etc.) DO NOT power this wire unless you intend to trigger a third camera

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SM07S - 7" Monitor SD
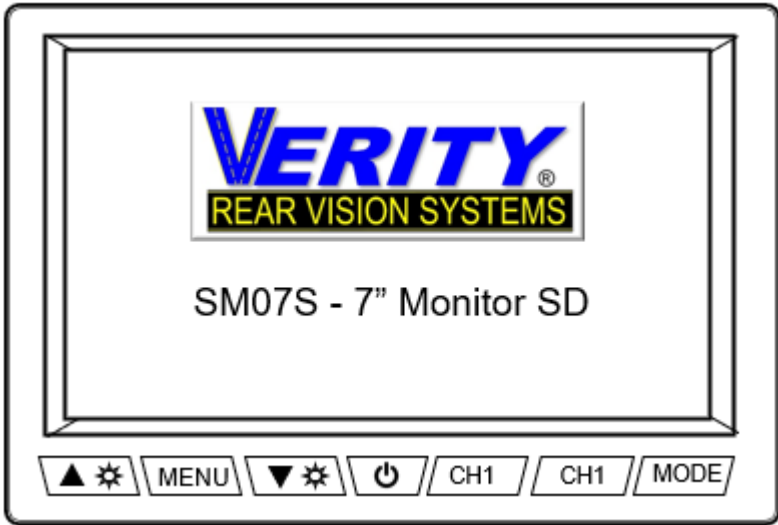
Buttons from left to right

1. (VOL+) Volume Increase Up Arrow
2. Menu Control Button
3. (VOL-) Volume Decrease Down Arrow
4. Power Off/On button - Red color is stand-by- Blue is powered
5. Channel / Camera 1
6. Channel / Camera 2
7. MODE

Monitor will turn on atomically if trigger wire is activated.

MENU OPERATIONS

MENU OPTIONS

The menu button operates the menu options:

MENU

The following shows how the menu options work.
The down and up arrow buttons control decreases
and increases the options.

▼ ☼   ▲ ☼

Menu Press 1 time
PICTURE: Brightness, displays on-screen.

BRIGHTNESS   20

Menu Press 2 times
CONTRAST: Contrast, displays on screen.

CONTRAST   20

Menu Press 3 times
COLOUR (Color): displays on the screen.

COLOUR   20

Menu Press 4 times
VOLUME: displays on the screen.

VOLUME   20

Menu Press 5 times
ZOOM Toggles between 16:9 / 4:3 image sizes

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Menu Press 6 times

"ICON" Image Orientation:
This selection flips each camera image individually both horizontally and vertically. This allows for a correct image of interior/forward-facing cameras.

Menu Press 7 times

LANG (LANGUAGE): "Show English as the primary language."
Displays on the screen.

LANG   ENGLISH

Menu Press 8 times

ACC Time time monitor stays on after the trigger wire is deactivated. It can be set to 0, 2, 5, and 10-second delays.

SIDE CAMERA HOOK UP – when adding a side camera, set that camera delay to 2 seconds.
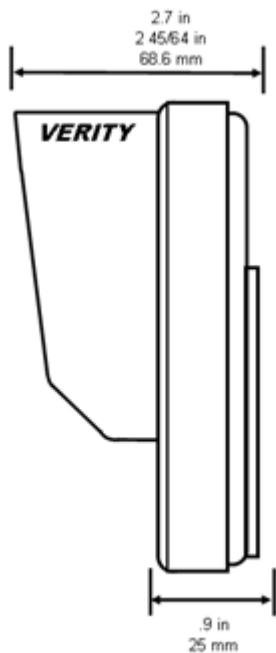
Menu Press 9 times

Auto-dimming function
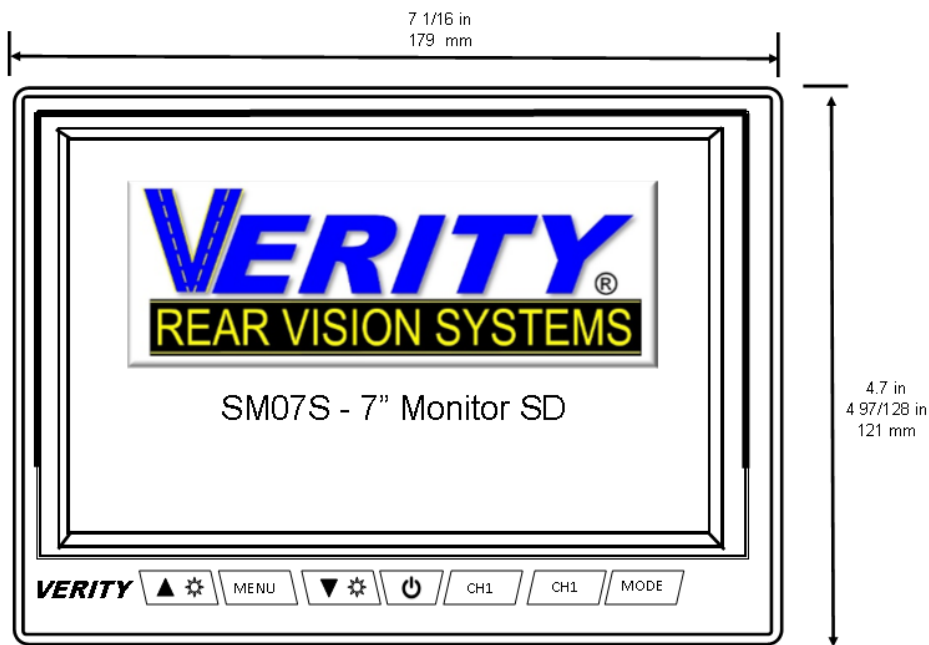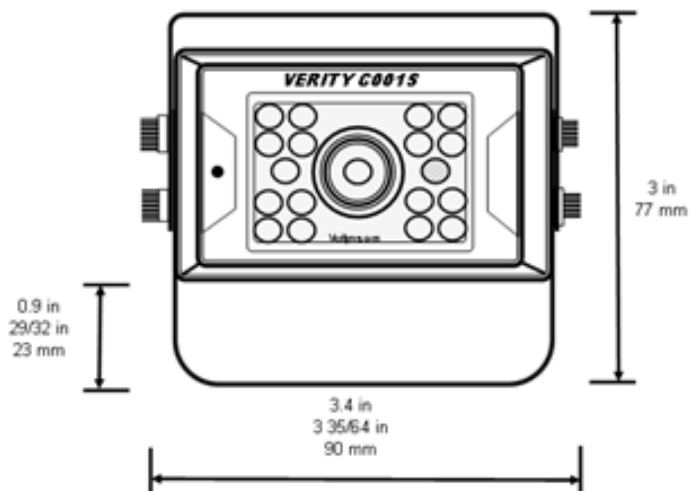
Menu 10 times

Parking line functions

Menu 11 times

Resets the monitor back to factory defaults

7 1/16 in
179 mm

SM07S - 7" Monitor SD

4.7 in
4 97/128 in
121 mm

2.7 in
2 45/64 in
68.6 mm

.9 in
25 mm

13

2.6 in
2 77/128 in
66 mm

1.7 in
1 47/64 in
44 mm

VERITY
C001S

Verityrvs.com

3 in
77 mm

2.2 in
2 33/128 in
57 mm

VERITY
REAR VISION SYSTEMS

VERITY C001S

3 in
77 mm

0.9 in
29/32 in
23 mm

3.4 in
3 35/64 in
90 mm
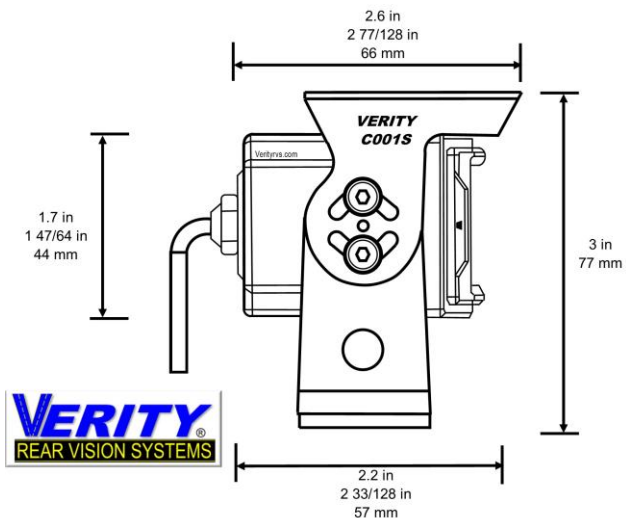
KEY OPTIONS

C100Z Camera Cover   C115 Side Camera

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Verity Rear Vision Systems
A division of
COMPONENT SOLUTION SERVICES (CSS)
LIMITED ONE (1) YEAR WARRANTY

1. VerityRVS® products' warranties are not transferable. The warranties apply to the retail consumer for one (1) year and covers against defects in material and quality. Cables are not warrantied.

2. Defective components will be replaced or repaired, based on a VerityRVS evaluation of the component. In-bound shipping charges, based on the VerityRVS rate allocated in the RMA (returned merchandise agreement), will be covered once the component has been deemed defective at the CSS warranty facility. The pre-assigned in-bound freight will be supplied upon the return of the product. All repaired/replaced warranty parts shall be for the remaining duration of the original warranty time period.

3. VerityRVS 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 the acquiring of an RMA.   Contact can be made via email at techsupport@verityrvs.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) VerityRVS will make no payments for system removal or system re-installing, mileage allowance, or transportation expenses.
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 VerityRVS is not responsible. There is no warranty for any product with removed or altered identification labels. VerityRVS 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, and you may also have other rights that vary from state to state.

Technical Support
A service ticket can be found online and completed to supply the quickest service. The service ticket can be easily found on our web site www.VerityRVS.com or use the 3-D code below. Please have the serial number of the system, which is found on the back of the monitor when contacting the service department. We take great pride in delivering the most dependable product in the industry. Each item was 100% QC tested, and then we randomly recheck another up to 10% before it leaves our hands to you. We have a .024% issue rate for all Verity cameras and monitors over the past eight years.

Email Tech Support: tech@verityrvs.com
Phone Tech Support: 574-807-6004
Note: After office hours calls will be answered or called back as quickly as possible by one of our Tech Team. Please note: Technicians cannot provide pricing or availability.

VERITY®
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> We at Verity Rear Vision Systems would like to personally thank you for purchasing our product. We at Verity strive to supply the best products at a competitive price. We care that you enjoy a safe driving experience.