VERITY ®

7 INCH DIGITAL
MONITOR SYSTEM
Part # SMW7J

Just View It®

Please read this manual completely before operating the SYSTEM

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

Possible safety additions

ADD60S Rear Sensor System

Increase your vehicle safety by adding a Verity ADD60S Sensor System.

These sensors alert you of objects behind the truck while reversing the vehicle. They can show you how close you are to an object; the sound intensifies when you move closer.

4-Channel Truck Grade DVR

REC02U (2023) is a dual SD card hybrid HD MDVR that can record your camera view(s), including the job/delivery site. It can be set to record the entire time the truck is on site. Video storage SD cards are behind a locked door.
We often hear,
"We should have done this before the lawsuit!"

Component Solution Services LLC engineers the **Verity**® products to meet any requirement and price point within the commercial and fire rescue industries. Designed for professional drivers, Verity develops and markets products and applications to 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 found in Big-Box or 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 can be found at:
www.Librv.com

Most likely, your system came preinstalled so the installation section would be for reference.

Thank you for your purchase of our Verity Rear Vision Systems®. When installed and used properly, your SMW7J is designed to deliver you years of trouble-free operation. This manual contains important information required to properly install and operate the unit. Verity Rear Vision 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 Rear Vision Systems 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 Rear Vision Systems 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 Verity Rear Vision 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, 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 # MK07J

- Screen size: 7-inch digital screen (16:9)
- Long Life High Resolution: 800 × 480 Pixel (RGB)
- System: PAL/NTSC Auto Select
- Contrast: 400:1
- Brightness: 450cd/m2
- Power supply: DC 12V~24V with reverse polarity protection
- Operation temperatures: -30~70C
- Storage temperature: -40~80C
- 2 AV color-coded inputs with color-coded trigger wires,
- auto blue screen if there is no signal on the activated channel

Features: HD sunshade, auto light sensor dimming for buttons and LCD screen, LED blue light buttons, high-quality processor, in-line waterproof fuse, easy-to-use OSD menu function via buttons & remote: image delay on time 0~15s (for side cameras) Mirror/Normal image, multi-language, and NEW! Adjustable guidelines.

CAMERA SPECIFICATIONS | Part # C300P

- No Audio
- Horizontal Resolution: 700 TV Lines
- Effective Pixel: 510 x 492
- Illumination: 1.5 Lux
- Viewing Angle: 193°
- Waterproof: IP69
- Shockproof: 10G
- Operating Temperature: -40°~70°C
- Power Supply: DC 12V (powered by monitor)
- Optional Add-On: ADD300Z cast aluminum camera cover

Dimension .mm
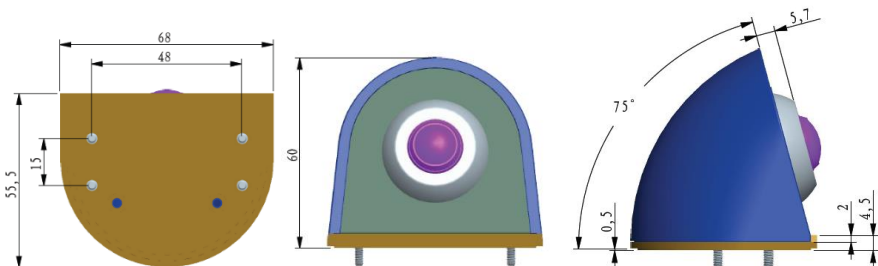
7-Inch HD Digital

I/F Remote

193⁰ Weatherproof Camera

65 foot
Camera Cable

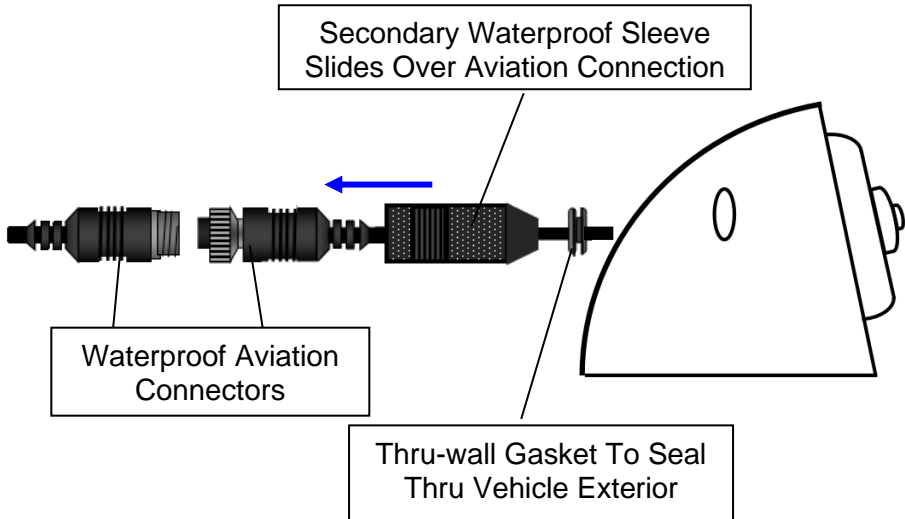13-pin to Monitor Cable

Heavy Duty Mount

Manual

SYSTEM COMPONENTS

This monitor can be mounted on the dash and on both 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.
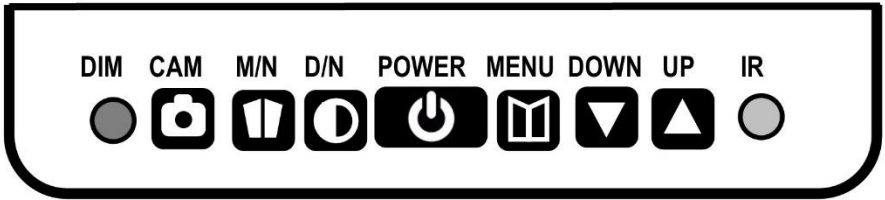
Mounting Monitor

1.   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 may be hidden.

2.   Use the template to drill needed holes. Do not over-tighten the base plate. Use the supplied gasket.

3.   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 cable.

Camera Connection

Secondary Waterproof Sleeve Slides Over Aviation Connection

Waterproof Aviation Connectors

Thru-wall Gasket To Seal Thru Vehicle Exterior

DIM Auto Dimming Photo Cell
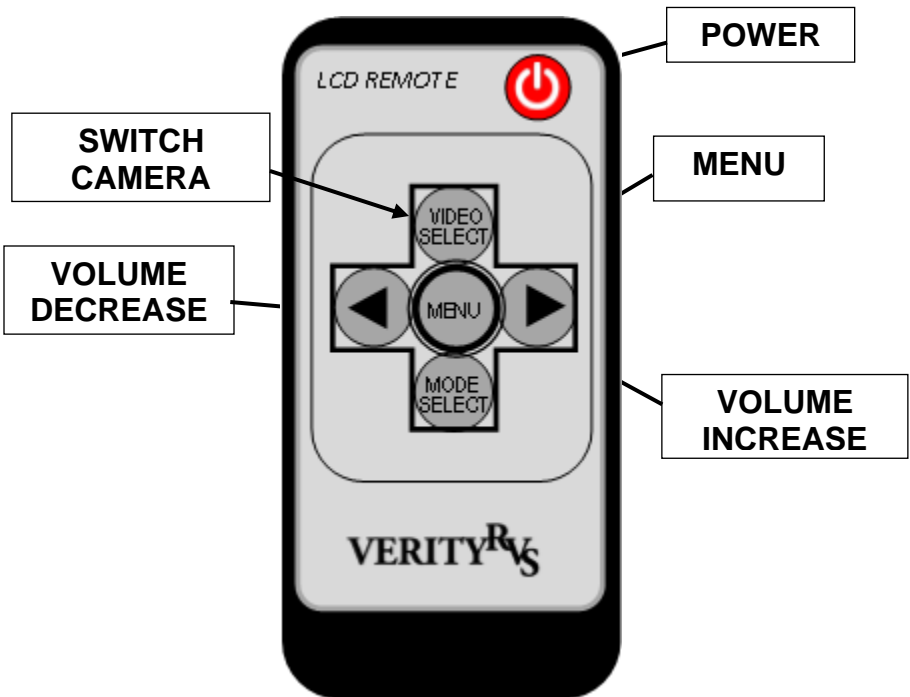**CAM** Switches between cameras
M/N Mirrored / Normal View
D/N Day / Night screen brightness (Works only when not in auto dim mode)
POWER Power on/off button RED power off / BLUE powered
MENU Activates operational menu
Down Volume DOWN / switches down when in menu
UP Volume UP / switches up when in menu

POWER

SWITCH CAMERA

MENU

VOLUME DECREASE

VOLUME INCREASE

Verity Rear Vision Systems Wire Connection Key
4-pin camera connectors & trigger wires
Brown -Camera 1 rear (Brown 4-pin)
Blue -Camera 2 optional (Blue4-pin)
Red wire to key-on hot (+) 10-32v. DC (fused)
Black wire to GND. (-)
Brown wire to positive Back-up light
Blue wire to positive power Left turn signal
Brown wire to positive power Right turn signal
BE SURE TO ALIGN 13-PIN CONNECTION
If force is applied to this connection when not aligned, it may
damage plug pins and void the warranty.

CAM 1

CAM 2

13-Pin male

13-Pin female

Female on Both
Ends

Press Menu:
1 time:

DIMMER   AUTO
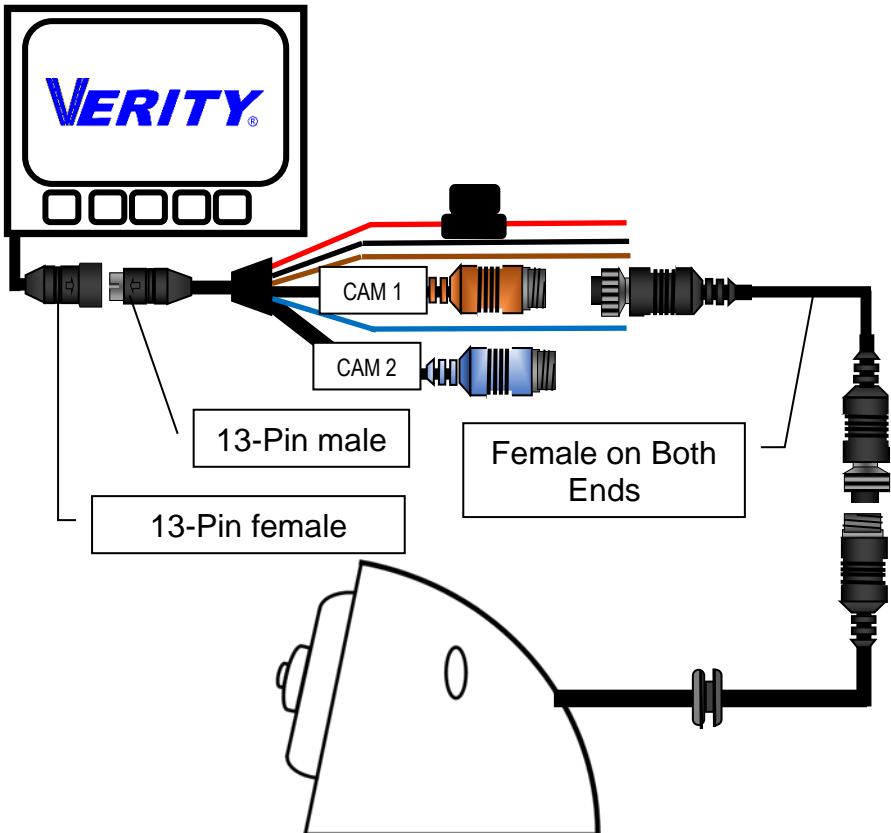
Use DOWN / UP arrows to turn the auto dim on/off

2 times:

CONTRAST   50
||||||||||||||||||||------------

Use DOWN / UP arrows to adjust contrast

3 times:
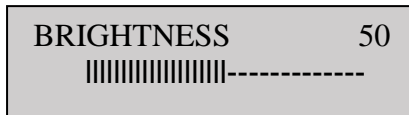
BRIGHTNESS   50
||||||||||||||||||||------------

Use DOWN / UP arrows to adjust brightness

4 times:

COLOR   50
||||||||||||||||||||------------
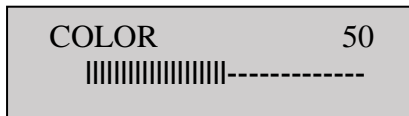
Use DOWN / UP arrows to adjust color

MENU OPERATIONS

5 times:

CAM 1   NORMAL

Use DOWN / UP arrows to adjust Camera 1 mirrored/normal view

DOWN UP

6 times:

CAM 2   NORMAL

Use DOWN / UP arrows to adjust Camera 2 mirrored/normal view

DOWN UP

7 times:

ENGLISH

DOWN UP

Use DOWN / UP arrows to adjust between 10 languages
8 times:

CAM   SCAN   OFF

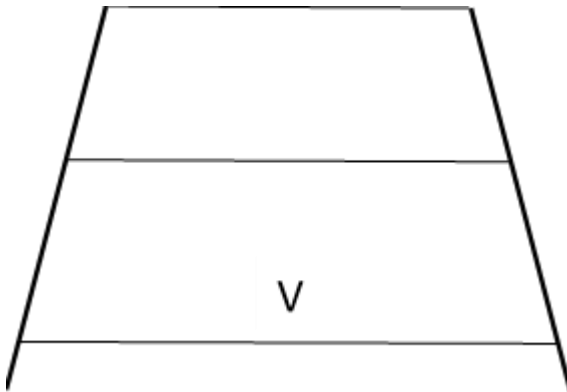Use DOWN / UP arrows to adjust camera scan

DOWN UP

9 times:

PARK	ON

Use DOWN / UP arrows to turn on park lines

DOWN UP

10 times (if parking lines on):

PARK	OFF

Use DOWN / UP arrows to turn / adjust parking lines Vertically

DOWN UP

V

Movement

11 times (if parking lines on):

PARK	OFF

Use DOWN / UP arrows to turn / adjust parking lines width

DOWN UP

W

Movement
in & out
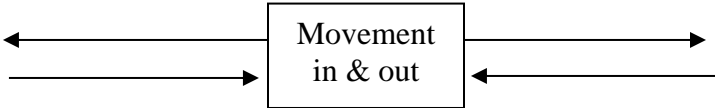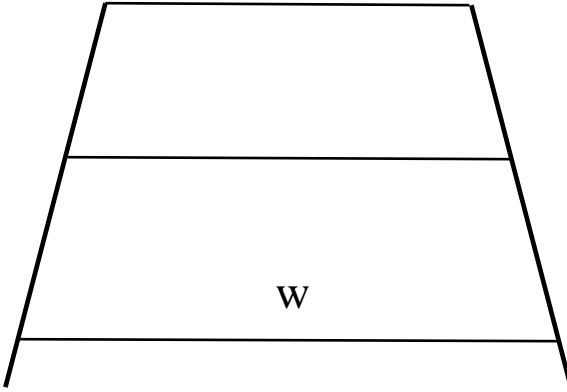
12 times

RESET

This will reset factory defaults.

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 warranty 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 (returned merchandise agreement), will be covered once the component has been deemed defective. The pre-assigned inbound 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 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. Please have the system's serial number, 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 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 needing tech support after hours or on weekends, leave a message, and a technician will return your call as soon as one becomes available.

VERITY®

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Component Solution Services, LLC.
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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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