

VERITY[®]

7 INCH BUTTONLESS MONITOR KIT

Part # SMW7B



Just View It[®]

Please read this manual completely before operating the SYSTEM

A division of
Component Solution Services, LLC.
5660 Twin Branch Dr.,
Mishawaka, IN 46545
www.VeritySafe.com

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Camera will only be on in reverse

SMW7B Buttonless Monitor - Wide Angle

Required Components for Installation:

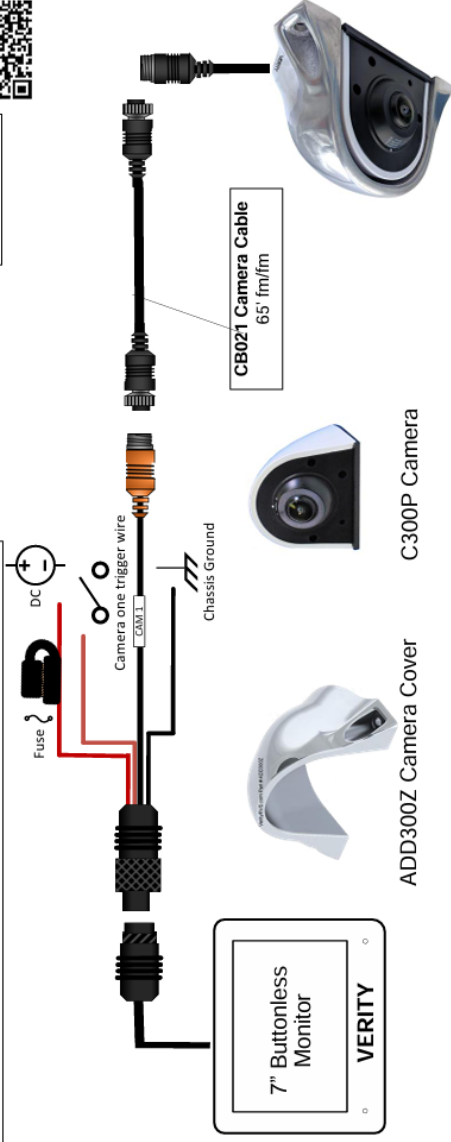
- (1) MK07B Monitor w/ monitor harness
- (1) C300P Camera w/ mounting template
- (1) ADD300Z Camera Cover w/ Stainless mounting hardware
- (1) CB021 20m. – 65' FM/ FM Camera Cable
- (1) ADD22H Heavy Duty Mount
- (1) Remote
- (1) Manual

Wire Connection Key:

- Red wire** to Ignition hot (+) 10-24v. DC
- Brown trigger wire** for camera 1 to backup light.
- Black wire** to ground block or ground post GND (-)



Scan QR Code for printable camera template.



574-807-6004
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NOTICE
Diagram is for reference purpose only
Subject to change without notice. Not to Scale

1/01/23

Buttonless monitor

Component Solution Services LLC. engineers the **Verity®** products to meet any requirements 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 systems. When installed and used properly, your SMW7B is designed to deliver you years of trouble-free 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 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 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.

SYSTEM FEATURES

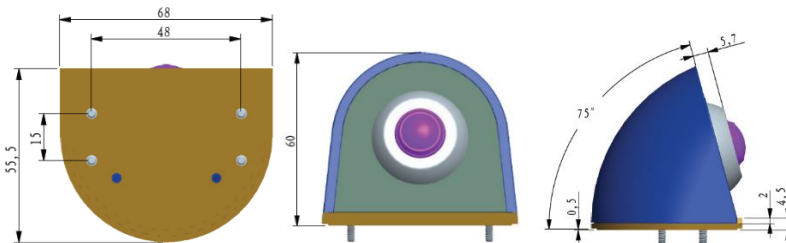
MONITOR SPECIFICATIONS

- Part # MK07B
- Screen size: 7-inch digital screen (16:9)
- Long Life High Resolution: 800 × 480 Pixel (RGB)
- System: PAL/NTSC selectable
- Contrast: 500:1
- Brightness: 450cd/m²
- Power supply: DC 12V~24V with reverse polarity protection
- Operation Temperature: -30~70C
- Storage Temperature: -40~80C
- 1 AV color-coded input with color-coded trigger wire
- Auto blue screen when no signal
- Features: removable sun shield, 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, NEW! Adjustable guidelines.

1 / 3" COLOR CCD CAMERA SPECIFICATIONS

- Part # C300P
- Horizontal Resolution: 700 TV Lines
- Effective Pixel: 510 x 492
- Illumination: 1.5 Lux
- Horizontal Angle: 192°
- Waterproof: IP69K
- Shockproof: 10G
- Operating Temperature: -40°~70°C
- Power Supply: DC 12V (powered by monitor)
- Audio-None
- Optional Add-On: ADD300Z cast polished aluminum camera cover

Dimensions in millimeters:



SYSTEM COMPONENTS



7-Inch HD Buttonless Monitor



I/F Remote



6-pin Monitor Harness- 1 Camera, backup trigger wire



Default
Heavy Duty
Mount



Optional
Double Knuckle
Mount



Manual



C300P Camera
Includes mounting template



Optional
ADD300Z
Aluminum Cover
Includes Hardware



Default- 65' fm/fm camera cable – **Optional** 49' fm/fm camera cable

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 drill the holes. Be careful not to drill into any other components that may be hidden.
2. Attach monitor bracket. Mount the monitor to the support bracket with the supplied hardware.
3. Connect the wires on the monitor cable to the proper connections using the Verity Wire Connection Key (Fig. 1) and wiring diagram (Fig. 2)

Figure 1.

Verity Wire Connection Key

4-pin camera connector & trigger wire

- Brown wire to Cam 1
- Red wire to ignition hot (+) 10-32v. DC (fused)
- Black wire to GND. (-)
- Blue wire to positive Back-up light

USE ARROWS TO ALIGN 6 PIN CONNECTION!

If force is applied to this connection when not aligned, it may damage plug pins and void the warranty.

REMOTE OPERATIONS

Remote Operations:

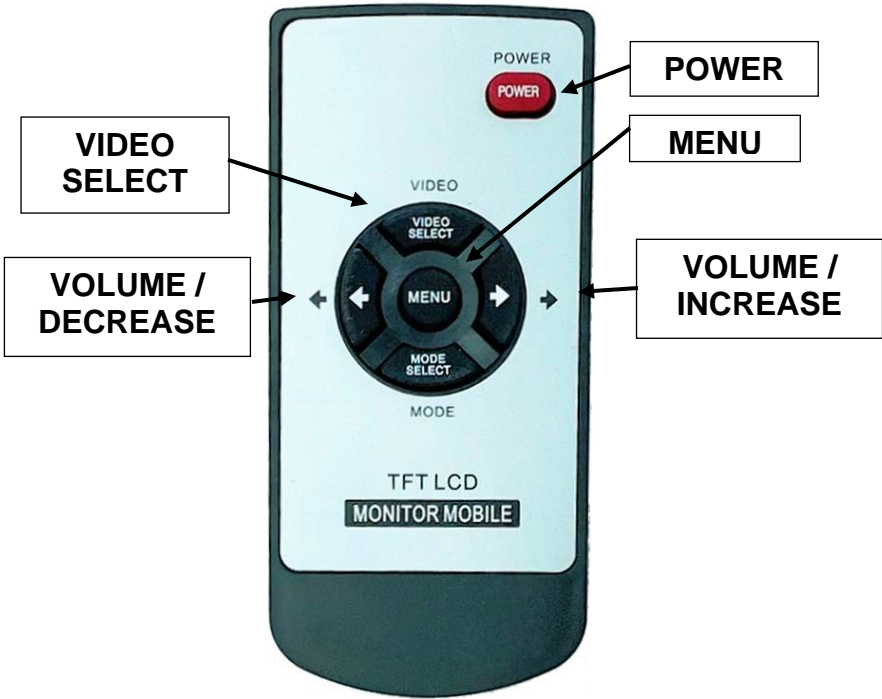
Point remote at the monitor screen to operate.

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



BATTERY NOT INCLUDED

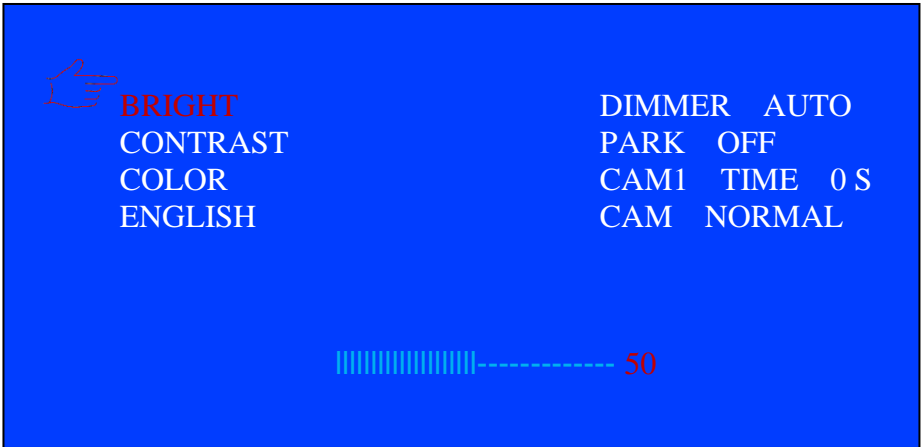
Remote takes a 3V battery e.g.,CR2025



MENU OPERATIONS

Press Menu:

The red highlighted text shows the current selection. Press the MENU button to advance through the available options and use the DOWN/UP arrow buttons to adjust the selection.



1 time: **BRIGHTNESS**

Use the DOWN / UP arrows to turn the brightness

2 times: **CONTRAST**

Use the DOWN / UP arrows to adjust contrast

3 times: **COLOR**

Use the DOWN / UP arrows to adjust color

4 times: **LANGUAGE**

Use the DOWN / UP arrows to adjust between 10 languages

5 times: **DIMMER**

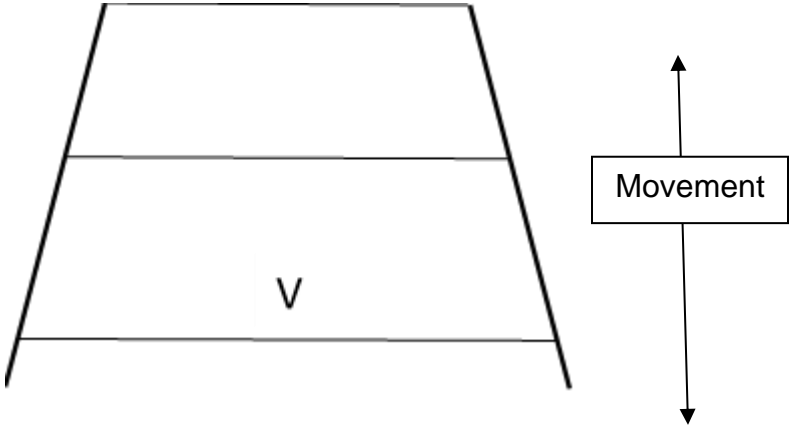
Use the DOWN / UP arrows to turn the auto dim on/off

6 times: **PARKING LINES**

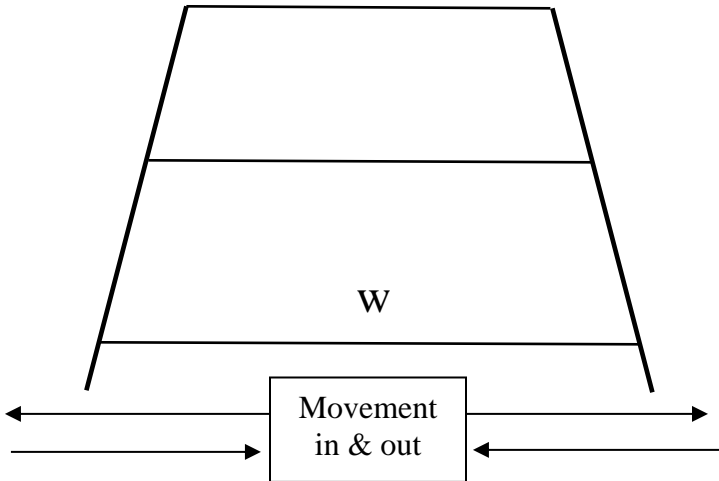
Use the DOWN / UP arrows to turn on park lines

If parking lines on:

Use the DOWN / UP arrows to adjust parking lines vertically



Use the DOWN / UP arrows to adjust parking lines width



7 times: CAMERA TIMER

Use the DOWN / UP arrows to select CAM 1 or CAM 2, then use the MENU button to move right. Use the DOWN / UP arrows to adjust the camera time from: 0S, 3S, 5S, 7S, and 10S.

8 times: CAMERA VIEW

Use the DOWN / UP arrows to select CAM 1 or CAM 2, then use the MENU button to move right. Use the DOWN / UP arrows to adjust either CAM to a mirrored or normal view.

Important Note: after the system is installed and tested with truck running, please date and initial the TESTED sticker and place on back of the monitor.



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 as the sound intensifies as 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 daily time. Video storage SD cards are behind a locked door.

We often hear,
“We should have done this before the lawsuit.”



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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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.

2019-Current

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