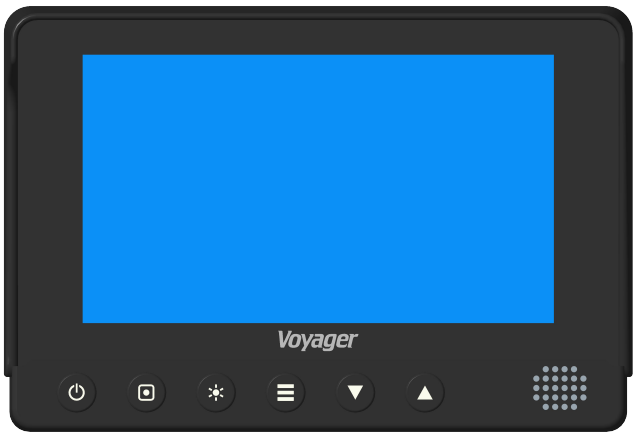
UPSVOM718

7" COLOR TFT LCD 3 CAMERA MIRROR MONITOR

OWNER'S MANUAL



UPSVOM718 Features

- High Performance Automotive Grade 7" Color LCD Panel
- 3 Camera Inputs
- PAL/NTSC Compatible
- Mechanical Button
- Built-In Audio Speaker
- Compatible with Voyager Standard Camera

Camera-Monitor Warnings!

1. Camera/monitor system aids in the use of, but does not replace vehicle side/rear-view mirrors.
2. Objects in camera/monitor view are closer than they appear. When backing up, proceed cautiously and be prepared to stop.

UPSVOM718

Important! - Please Read This Manual Before Installing!

Congratulations on your purchase of a Voyager UPSVOM718 LCD Observation Monitor. With proper installation and use, your UPSVOM718 LCD is designed to provide you with years of trouble-free operation. Please read this manual thoroughly before beginning.

All Voyager Observation products are strictly intended to be installed as supplement aid to standard rear-view mirror systems that may already exist in your vehicle. Voyager Observation products are not intended for use as substitutes for-view mirror devices, or for any other standard motor vehicle equipment required to be installed on vehicles by law.

While Voyager observation products contribute to improving the vehicle operator's field of view, these products are no substitute for proper defensive driving techniques and observance of traffic laws and motor vehicle safety regulations.

Warnings!

RED POWER WIRE MUST BE CONNECTED TO ACCESSORY TO AVOID CURRENT DRAW IN THE KEY OFF POSITION.

Installation Location

It is unlawful in most jurisdictions for a person to drive a motor vehicle equipped with a television viewer or 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. The UPSVOM718 product is designed to be used primarily as a rear observation device in conjunction with closed circuit camera. In any installations where the UPSVOM718 is used to display television broadcasts or recorded video, playback, installation location must adhere to local laws and regulations.

Tampering

To prevent electrical shock, **DO NOT OPEN THE MONITOR CASE**. There are potentially harmful voltages inside the monitor. If evidence of tampering is detected, the warranty will be considered void and all parts will be non serviceable. There are no user serviceable parts inside the warranty will be considered void.

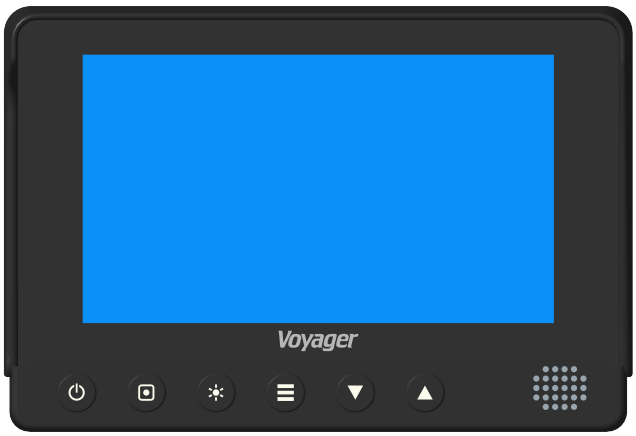
Moisture

While it will withstand short periods of exposure to moisture, this product does contain sensitive electronic components and exposure should be limited by the user/installer. This product is not designed for locations where constant exposure to moisture or immersion can be encountered. This unit should NEVER be cleaned with a power washer or used where direct power washer spray may be encountered.

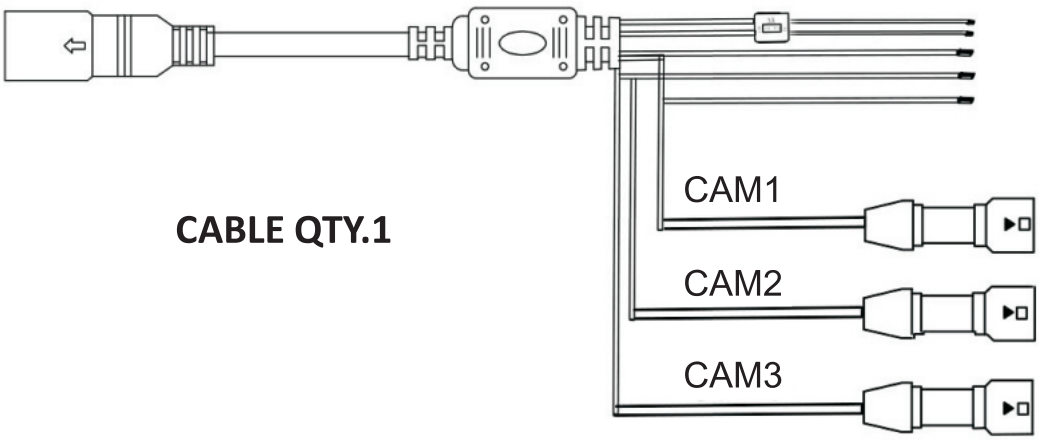
Depth of view

OBJECTS VIEWED ON MONITOR ARE CLOSER THAN THEY APPEAR.

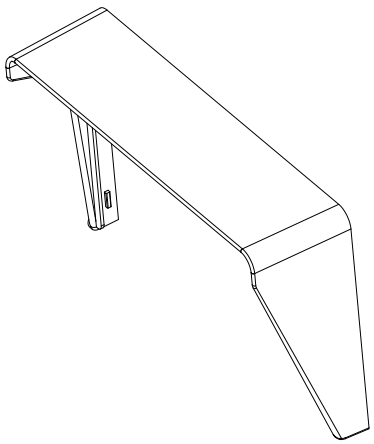
PACKING CONTENTS



LCD MONITOR QTY.1



CABLE QTY.1



SUNVISOR QTY. 1

MACHINE SCREW QTY.12(M4X8mm)

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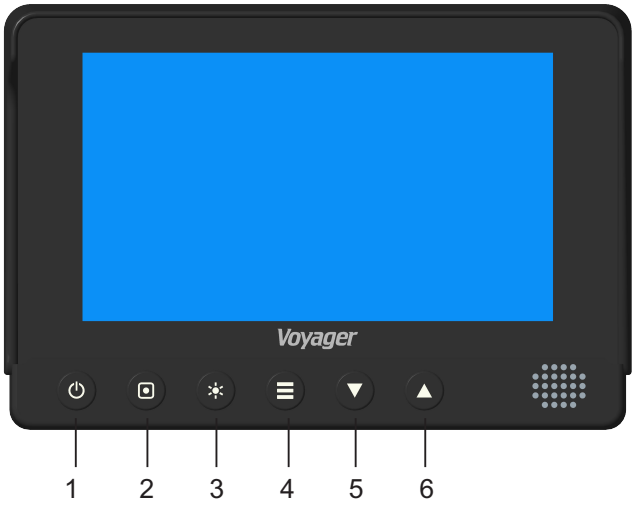
CONTROLS AND OPERATION



1, POWER ON/OFF

-Press once to turn on unit
-Press again to turn off unit

2, SELECT

Primary Funtion Input Source Select
–Press 'SELECT' button sequences source input modes from CH1 to CH3.

Secondary Function Menu Option Selection
–While in menu mode, the 'SELECT' button is used to select the highlighted function or option setting.

3, DIM

Switch between DAY & NIGHT mode

4, MENU

Primary Function Enter OSD
-Press 'MENU' button to enter the OSD

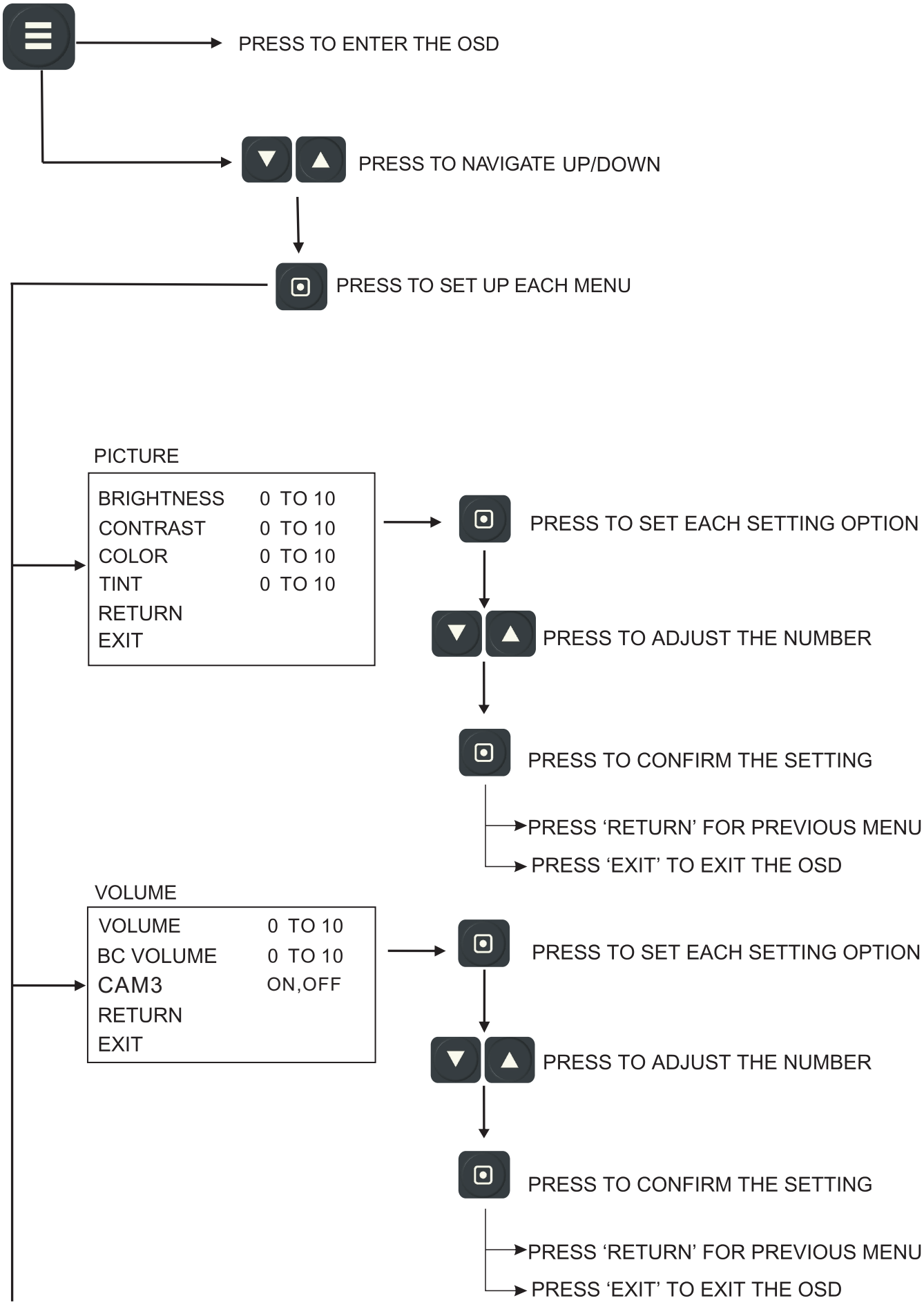
Secondary Function Return to previous menu
-While in menu modes, the 'MENU' button is used to return to previous menu.

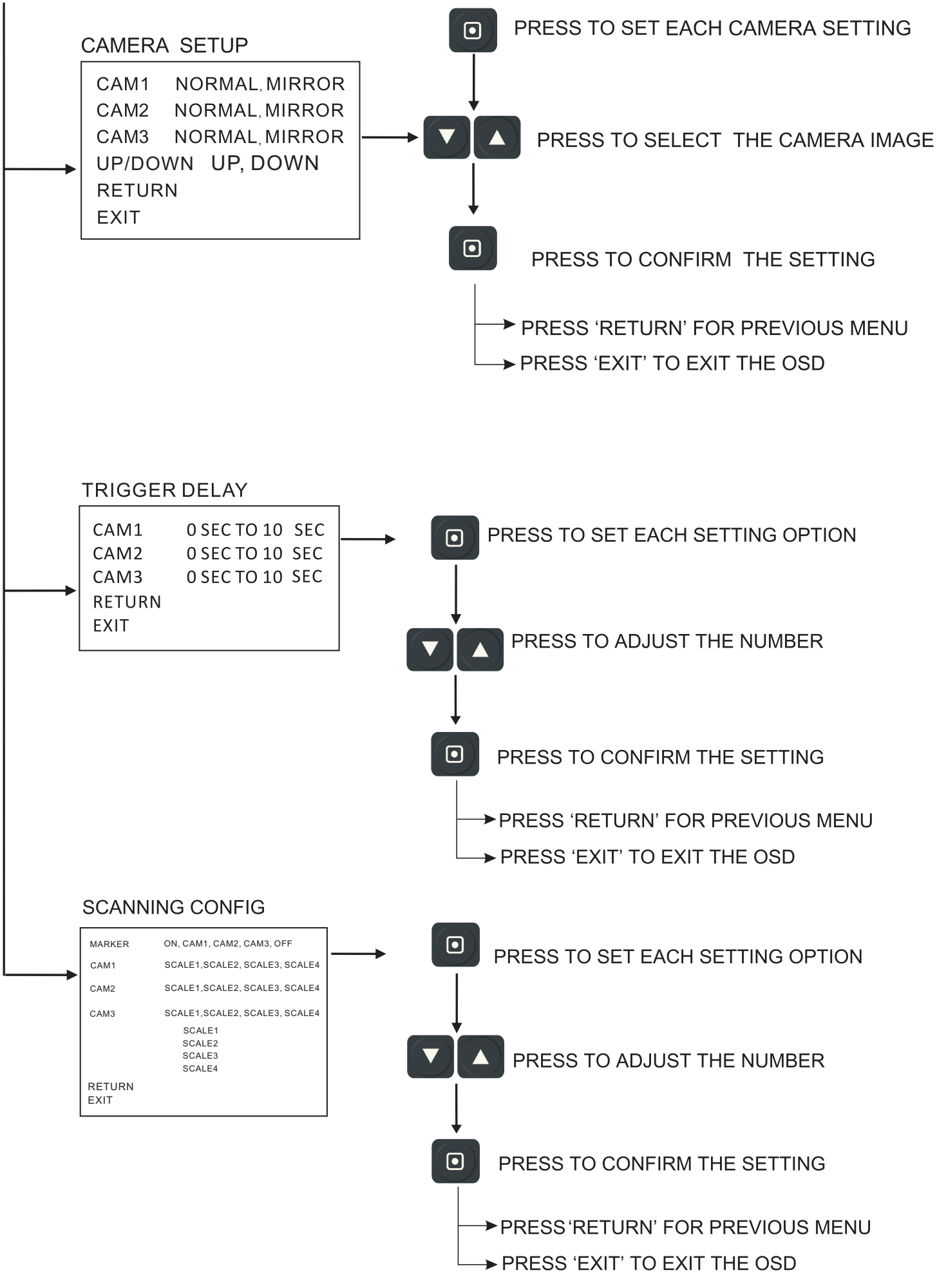
5 &6, UP/DOWN

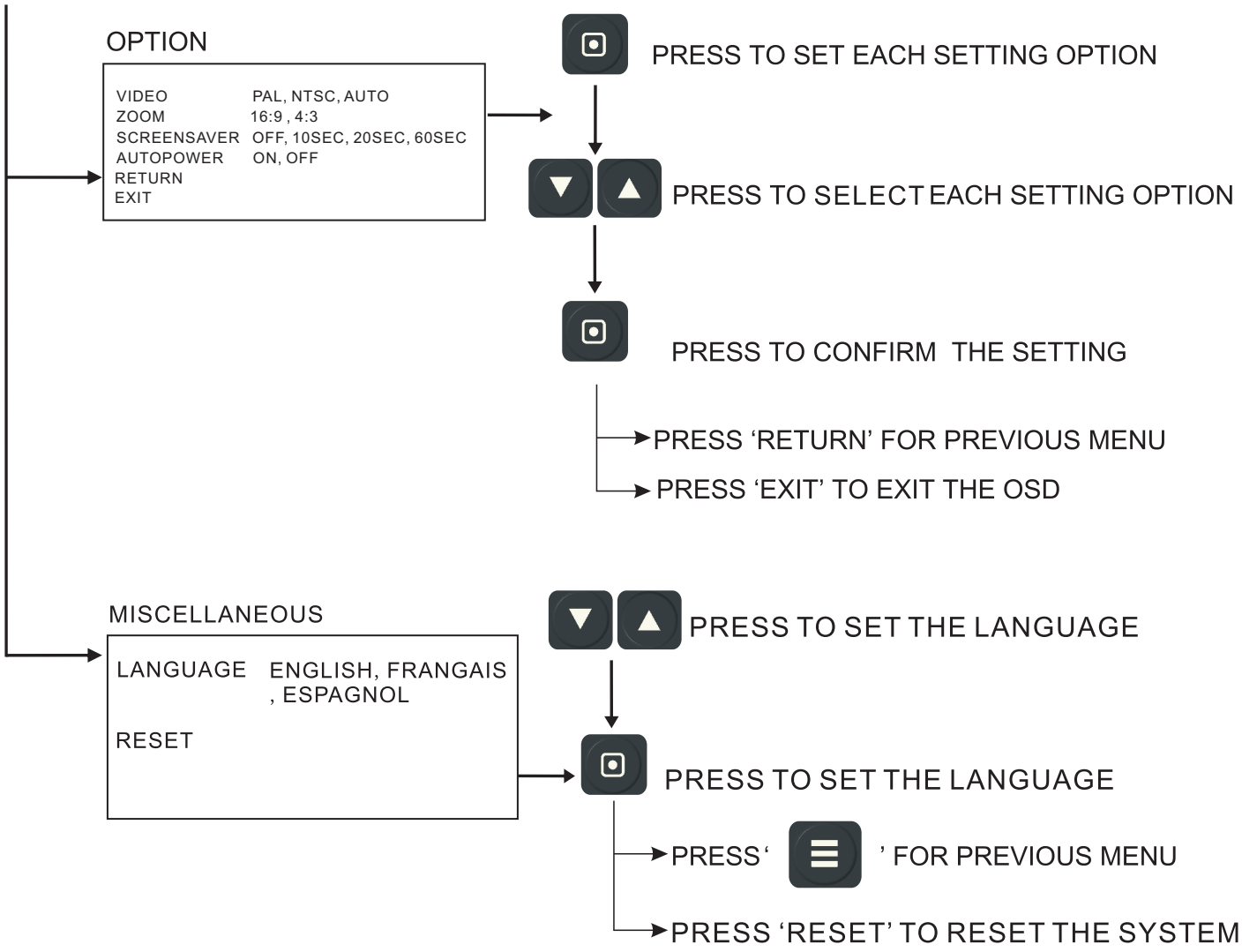
Primary Function
-Pressing ‘UP’ button increase brightness, contrast, color, tint, volume .
-Pressing ‘DOWN’ button decrease brightness, contrast, color, tint, volume.

Secondary Function
-While in menu modes, the ‘UP’ ‘DOWN’ are used to select the option setting.

MENU


PRESS TO ENTER THE OSD
PRESS TO NAVIGATE UP/DOWN
PRESS TO SET UP EACH MENU
PICTURE
BRIGHTNESS 0 TO 10
CONTRAST 0 TO 10
COLOR 0 TO 10
TINT 0 TO 10
RETURN
EXIT
PRESS TO SET EACH SETTING OPTION
PRESS TO ADJUST THE NUMBER
PRESS TO CONFIRM THE SETTING
PRESS 'RETURN' FOR PREVIOUS MENU
PRESS 'EXIT' TO EXIT THE OSD
VOLUME
VOLUME 0 TO 10
BC VOLUME 0 TO 10
CAM3 ON,OFF
RETURN
EXIT
PRESS TO SET EACH SETTING OPTION
PRESS TO ADJUST THE NUMBER
PRESS TO CONFIRM THE SETTING
PRESS 'RETURN' FOR PREVIOUS MENU
PRESS 'EXIT' TO EXIT THE OSD


CAMERA SETUP
CAM1 NORMAL, MIRROR
CAM2 NORMAL, MIRROR
CAM3 NORMAL, MIRROR
UP/DOWN UP, DOWN
RETURN
EXIT
PRESS TO SET EACH CAMERA SETTING
PRESS TO SELECT THE CAMERA IMAGE
PRESS TO CONFIRM THE SETTING
PRESS 'RETURN' FOR PREVIOUS MENU
PRESS 'EXIT' TO EXIT THE OSD
TRIGGER DELAY
CAM1 0 SEC TO 10 SEC
CAM2 0 SEC TO 10 SEC
CAM3 0 SEC TO 10 SEC
RETURN
EXIT
PRESS TO SET EACH SETTING OPTION
PRESS TO ADJUST THE NUMBER
PRESS TO CONFIRM THE SETTING
PRESS 'RETURN' FOR PREVIOUS MENU
PRESS 'EXIT' TO EXIT THE OSD
SCANNING CONFIG
MARKER ON, CAM1, CAM2, CAM3, OFF
CAM1 SCALE1,SCALE2, SCALE3, SCALE4
CAM2 SCALE1,SCALE2, SCALE3, SCALE4
CAM3 SCALE1,SCALE2, SCALE3, SCALE4
SCALE1
SCALE2
SCALE3
SCALE4
RETURN
EXIT
PRESS TO SET EACH SETTING OPTION
PRESS TO ADJUST THE NUMBER
PRESS TO CONFIRM THE SETTING
PRESS 'RETURN' FOR PREVIOUS MENU
PRESS 'EXIT' TO EXIT THE OSD


OPTION
VIDEO PAL, NTSC, AUTO
ZOOM 16:9 , 4:3
SCREENSAVER OFF, 10SEC, 20SEC, 60SEC
AUTOPOWER ON, OFF
RETURN
EXIT
PRESS TO SET EACH SETTING OPTION
PRESS TO SELECT EACH SETTING OPTION
PRESS TO CONFIRM THE SETTING
PRESS 'RETURN' FOR PREVIOUS MENU
PRESS 'EXIT' TO EXIT THE OSD
MISCELLANEOUS
LANGUAGE ENGLISH, FRANGAIS , ESPAGNOL
RESET
PRESS TO SET THE LANGUAGE
PRESS TO SET THE LANGUAGE
PRESS ' ' FOR PREVIOUS MENU
PRESS 'RESET' TO RESET THE SYSTEM

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INSTALLATION INSTRUCTIONS

BEFORE YOU BEGIN INSTALLATION:

Before drilling be sure that no cable or wiring is on the other side. Clamp all wires securely to reduce the possibility of them being damaged during installation and use. Keep all cables away from hot or moving parts, and electrically noisy components.

Wiring Definitions:

▪ Power connection:	Pin 1	POWER IN DC (12V- 24V) -Red
	Pin 2	GROUND -Black
	Pin 3	CHANNEL 1 TRIGGER -Blue
	Pin 4	CHANNEL 2 TRIGGER -Brown
	Pin 5	CHANNEL 3 TRIGGER -Green
▪ Camera 1 input:	4-Pin	Connection for camera or camera extension cable
▪ Camera 2 input:	4-Pin	Connection for camera or camera extension cable
▪ Camera 3 input:	4-Pin	Connection for camera or camera extension cable
▪ LCD panel:	13-Pin	Large DIN cable connection to monitor

General:

1. Choose the monitor and camera locations.
2. Install all required cables in vehicle. A 3/4"(19mm) hole should be drilled for passing camera cables through vehicle wall , barriers, etc.
   Install split grommets where applicable. If additional cable protection is required install convoluted tubing over the cable.
3. After cable/wiring has been routed and components in place, temporarily make all system connections and perform a system function check. If system does not operate properly, see the troubleshooting section regarding cable.
4. Make sure all cables are routed away from hot or moving parts, and away from sharp edges. Secure cables with wire ties.

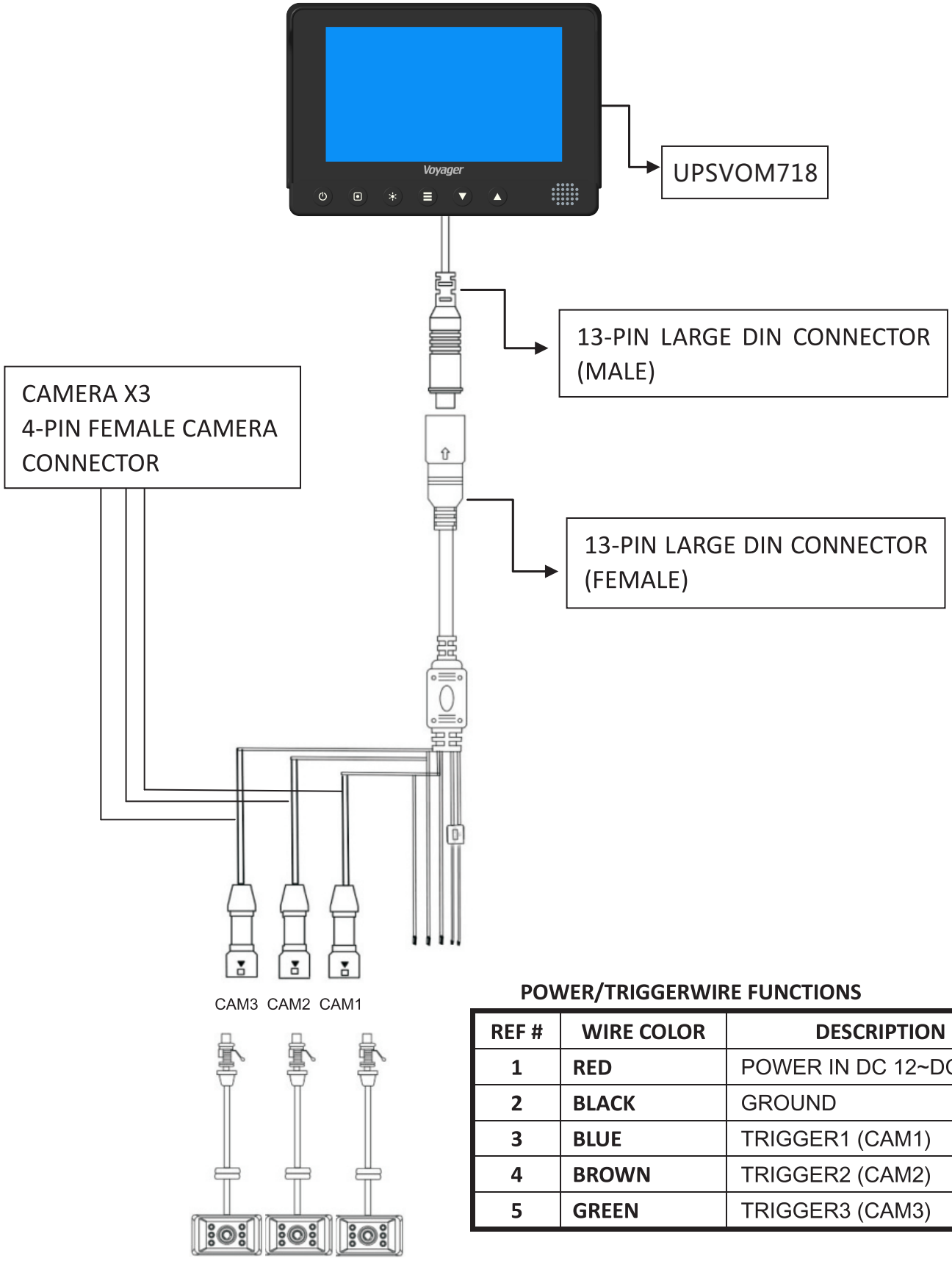
Backup (Rear) Camera

- Rear-mounted camera used for monitoring while backing up must be connected to the CAM1 input .Trigger1 must be connected to the reverse gear light circuit.

Side Camera

- The side mounted camera should be connected to the CAM2 and CAM3 inputs. Trigger lines 2 and 3 should be connected to the vehicle's turn signal circuits.

TYPICAL SYSTEM CONNECTTION



POWER/TRIGGERWIRE FUNCTIONS

REF #	WIRE COLOR	DESCRIPTION
1	**RED**	POWER IN DC 12~DC24V
2	**BLACK**	GROUND
3	**BLUE**	TRIGGER1 (CAM1)
4	**BROWN**	TRIGGER2 (CAM2)
5	**GREEN**	TRIGGER3 (CAM3)

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PRODUCT SPECIFICATIONS

LCD PANEL SPECIFICATIONS

Size/Type	7"(Digital) TFT LCD	
Brightness	400 cd/m' (typ)	
Contrast Ratio	500	
View Angles	Top (12 0'clock)	40° (typ)
(@CR≥1 0)	Bottom (6 0'clock)	60° (typ)
	Horizontal	60° (typ)
Response Time	10ms	
	20ms	
Back Light Type	LED	
Back Light Life	50,000 hrs (min)	

- **Operation Temperature Range :** -30° C～+85° C
- **Storage Temperature Range :** -30° C～+85° C
- **Max Humidity :** 85%
- **Operation Voltage Range :** DC12V~24V
- **Current Draw (typical) :** 337mA@12VDC
- **Signal system :** NTSC or PAL (Auto detection)
- **Video** **Aspect Ratio :** 16 : 9
  Input Level: 1Vp-p 75Ω
- **Audio** **Input Level :** 150mV(Max)
- **Product Dimensions :** 7.91W x 5.35H x 1.22D (Inches)
- **Product Weight :** 4.84 lbs/2200g

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