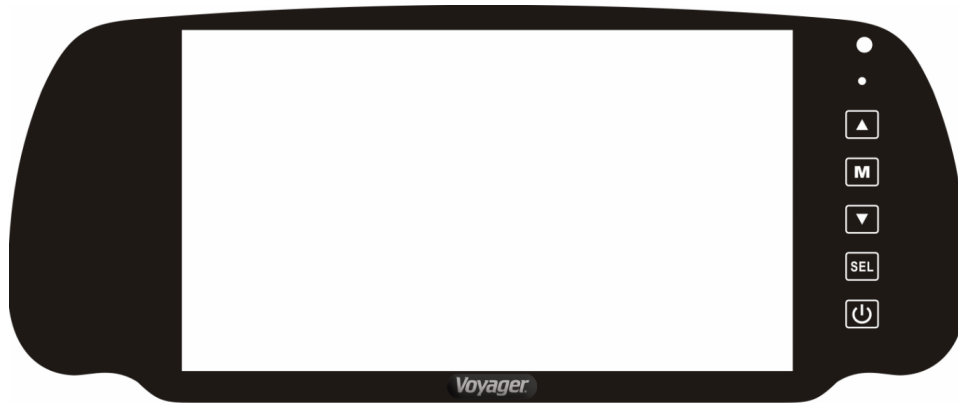


Voyager[®]

VOM73MM

7" COLOR TFT LCD 3 CAMERA MIRROR MONITOR OWNER'S MANUAL



VOM73MM Features

- High Performance Automotive Grade 7" Color LCD Panel
- 3 Camera Inputs
- PAL/NTSC Compatible
- Touch Buttons
- Built-In Audio Speaker
- Compatible with Voyager Standard Camera
- Programmable Source Name OSD

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.

VOM73MM

Important! - Please Read This Manual Before Installing!

Congratulations on your purchase of a Voyager VOM73MM LCD Observation Monitor. With proper installation and use, your VOM73MM LCD is designed to provide you with years of trouble-free operation. Please read this manual thoroughly 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 POSIT.

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 VOM73MM product is designed to be used primarily as a rear observation device in conjunction with closed circuit camera. In any installations where the VOM73MM 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, There are no user serviceable parts inside the warranty will be considered void.

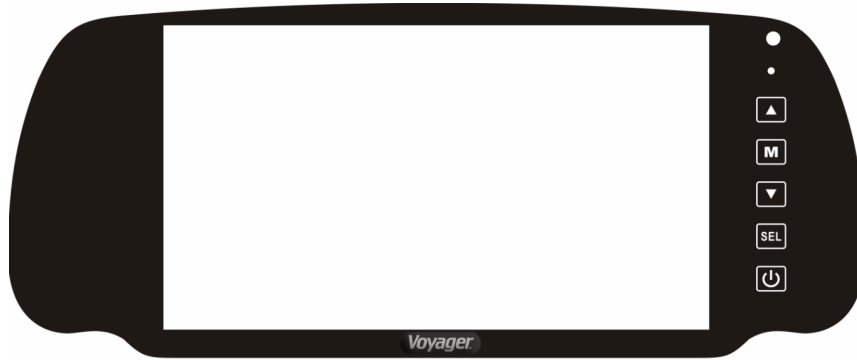
Moisture

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 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.

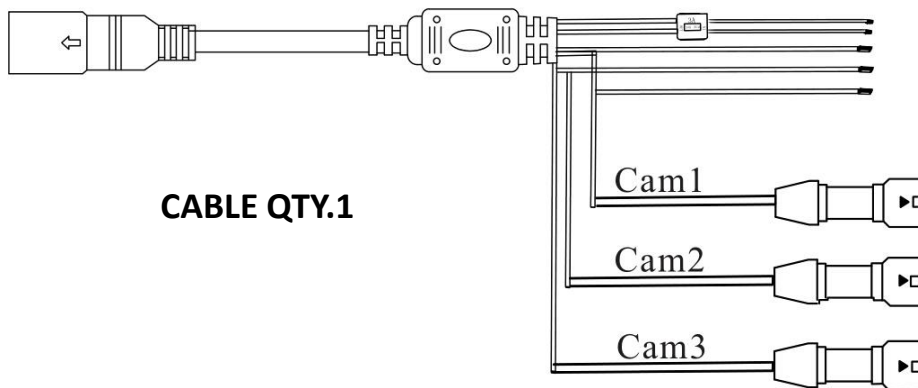
Depth of view

OBJECT VIEWED IN MONITOR ARE CLOSER THAN THEY APPEAR.

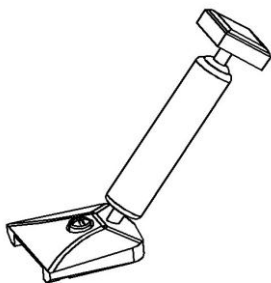
PACKING CONTENTS



LCD MONITOR QTY.1



CABLE QTY.1



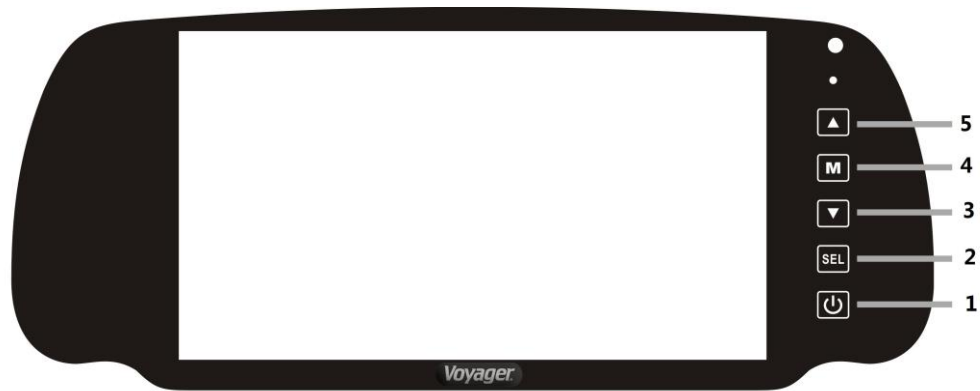
METAL BRACKET QTY.1



MACHINE SCREW QTY.4

VOM73MM

CONTROLS AND OPERATION



1, POWER ON/OFF



- Press once turns unit on
- Press again turns unit off

2, SELECT



- Press "SEL" for switching CAM1 to CAM3.

3 & 5 , UP/DOWN



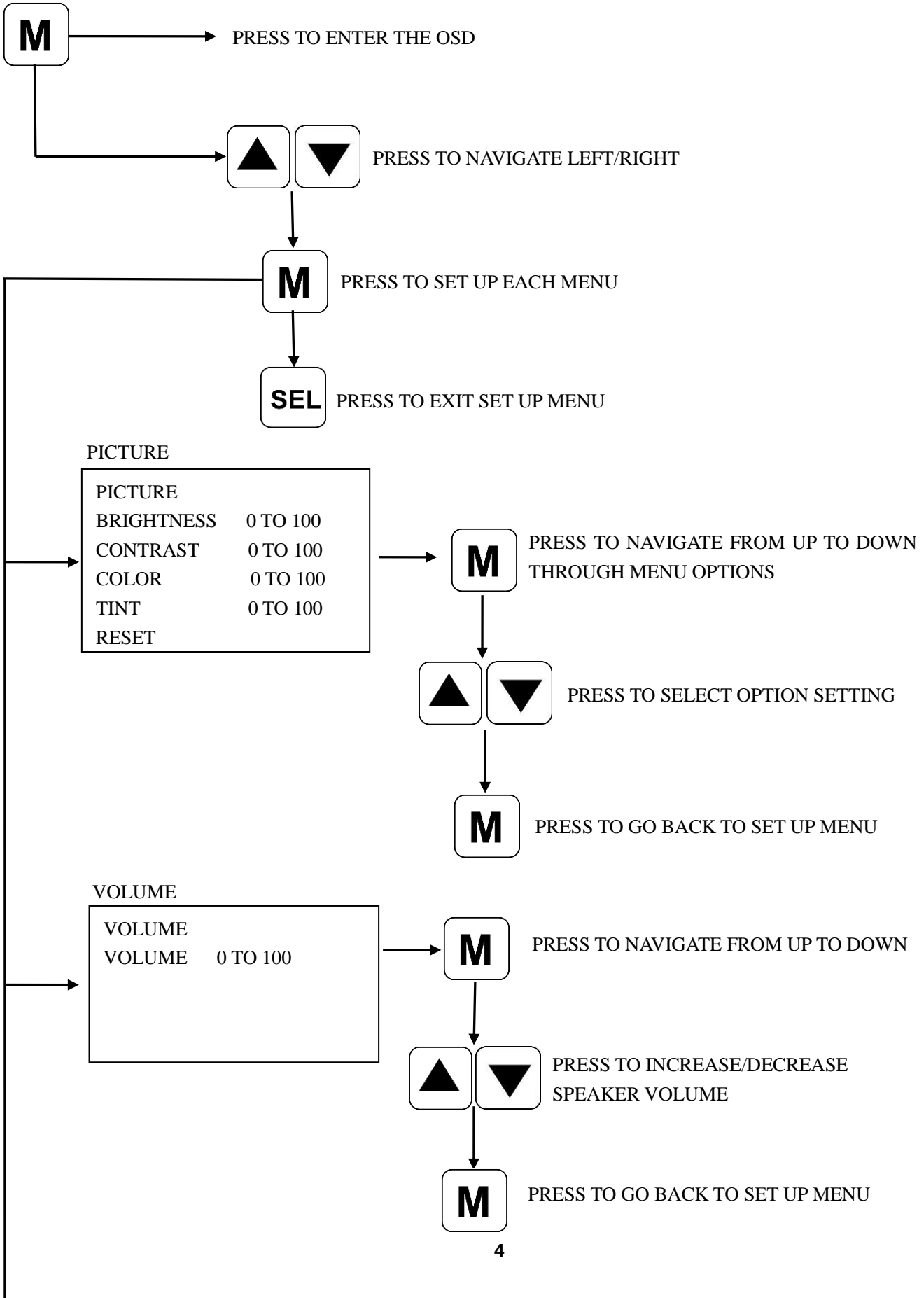
Primary Function

- Pressing "UP" button increase brightness, contrast, color, tint, volume or sleep.
- Pressing "DOWN" button decrease brightness, contrast, color, tint, volume or sleep.

Secondary Function

- While in menu modes, the "UP" "DOWN" are used to select the option setting.

4, MENU

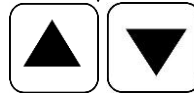


OPTION

OPTION	
LANG.	ENGLISH, FRENCH, SPANISH, PORTUGUESE
CAMERA 1	NORMAL, MIRROR
CAMERA 2	NORMAL, MIRROR
CAMERA 3	NORMAL, MIRROR
ZOOM	16:9, 4:3



PRESS TO NAVIGATE FROM UP TO DOWN



PRESS TO SELECT OPTION SETTING



PRESS TO GO BACK TO SET UP MENU

SYSTEM

SYSTEM	
S-COLOR	NTSS, PAL
ACC 1-TIME	0SEC TO 10 SEC
ACC 2-TIME	0SEC TO 10 SEC
ACC 3-TIME	0SEC TO 10 SEC



PRESS TO NAVIGATE FROM UP TO DOWN



PRESS TO SELECT OPTION SETTING



PRESS TO GO BACK TO SET UP MENU

PRESET

SLEEP	
SLEEP	0 TO 100



PRESS TO NAVIGATE FROM UP TO DOWN



PRESS TO SELECT OPTION SETTING



PRESS TO GO BACK TO SET UP MENU

VOM73MM

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- 32V) -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 cable.
4. Make sure all cables are routed away from hot or moving parts, and away from sharp edges. Secure cables with wire ties.

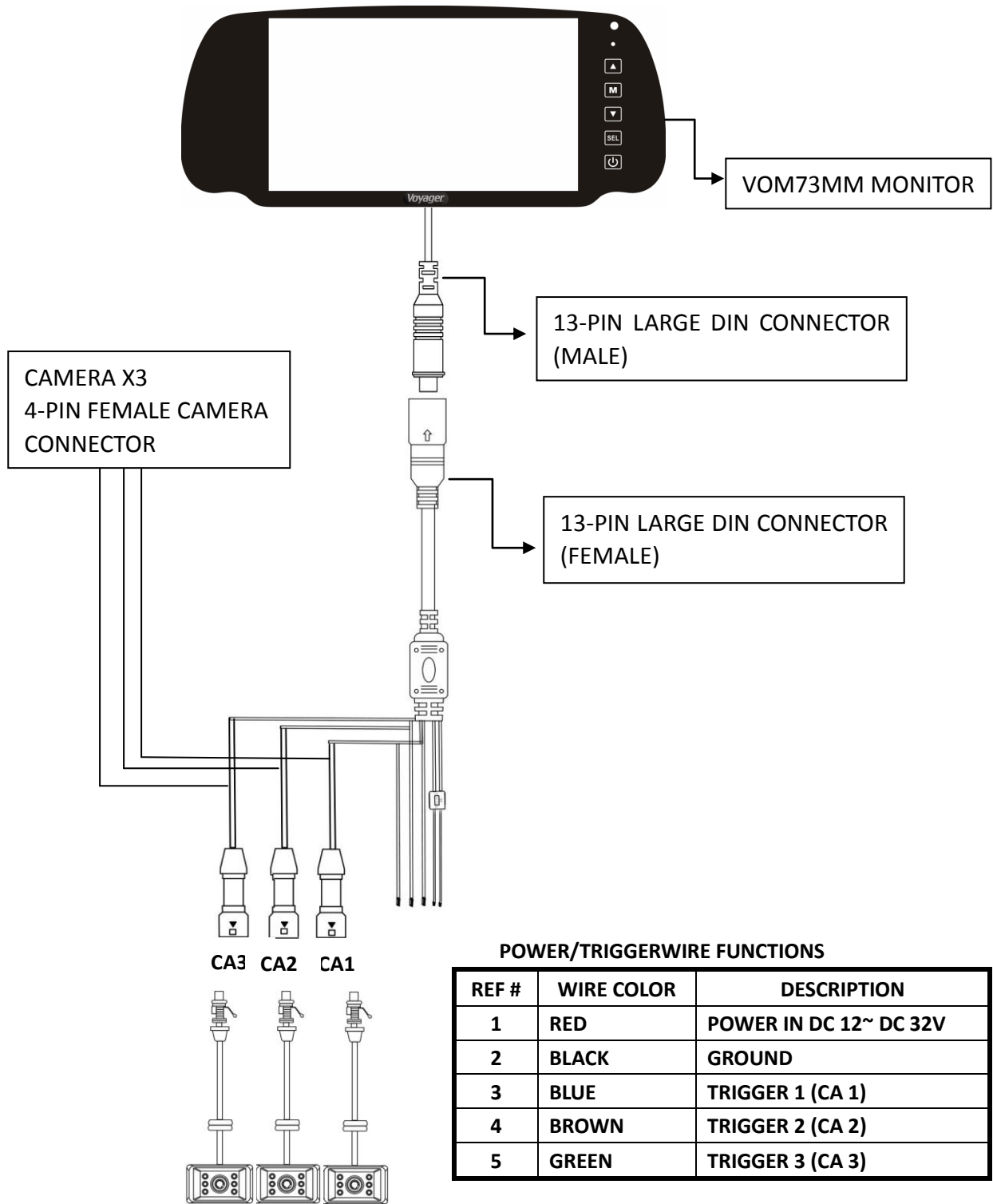
Backup (Rear) Camera

- Rear-mounted cameras used for monitoring while backing up must be connected to the CA 1 input. Trigger#1 must be connected to the reverse gear light circuit in the vehicle.

Side Camera

- If side monitoring cameras are installed, they should be connected to CA2 and CA3. Trigger 2 and Trigger 3 should be connected to the vehicle's turn signal circuits.

TYPICAL SYSTEM CONNECTION



VOM73MM

PRODUCT SPECIFICATIONS

LCD PANEL SPECIFICATIONS

Size/Type	7" (Analog) TFT LCD	
Brightness	450 cd/m' (typ)	
Contrast Ratio	300	
View Angles	Top (12 O'clock)	40°(typ)
(@CR≥1 0)	Bottom (6 O'clock)	60°(typ)
	Horizontal	60°(typ)
Response Time	15ms	
	20ms	
Back Light Type	LED	
Back Light Life	50,000 hrs (min)	

- **Operation Temperature Range** : -20°C ~ + 70°C
- **Storage Temperature Range** : -30°C ~ + 80°C
- **Max Humidity** : 85%
- **Operation Voltage Range** : DC 12V ~ 32V
- **Current Draw (typical)** : Max 15W
- **Signal system** : NTSC or PAL (Auto detection)
- **Video Aspect Ratio** : 16 : 9
Input Level: 1Vp-p 75Ω
- **Audio Input Level** : 150mV(Max)
- **Product Weight** : 2.09 lbs/950g
- **Product Dimensions** : Monitor Only Dimensions
9.76W × 4.25 H × 0.91Dinches