

ProViu[®]360

Monitor Manual



Picture: Monitor

1. Description

The ProViu[®] 360 System provides higher levels of awareness and confidence while operating commercial, industrial and special purpose vehicles.

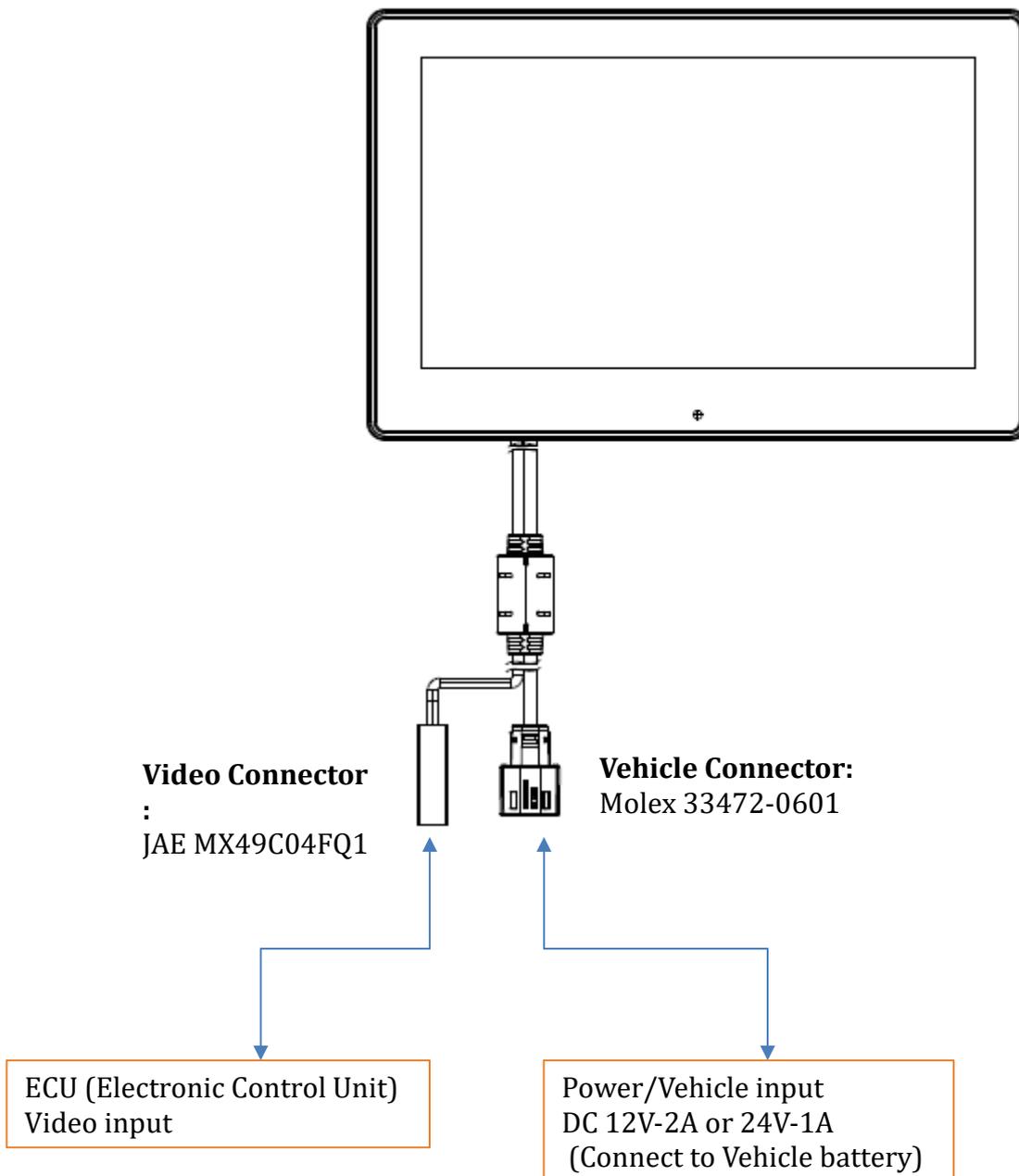
The ProViu[®] 360 Monitor provides not only IP67 ingress rating of whole system, but also supports rear and VESA mounting which brings the benefits of easy installation and provides flexibility for different applications.

ProViu[®] 360 Monitor is highly customizable and versatile making the high-performance and indispensable safety feature for today's traffic conditions.

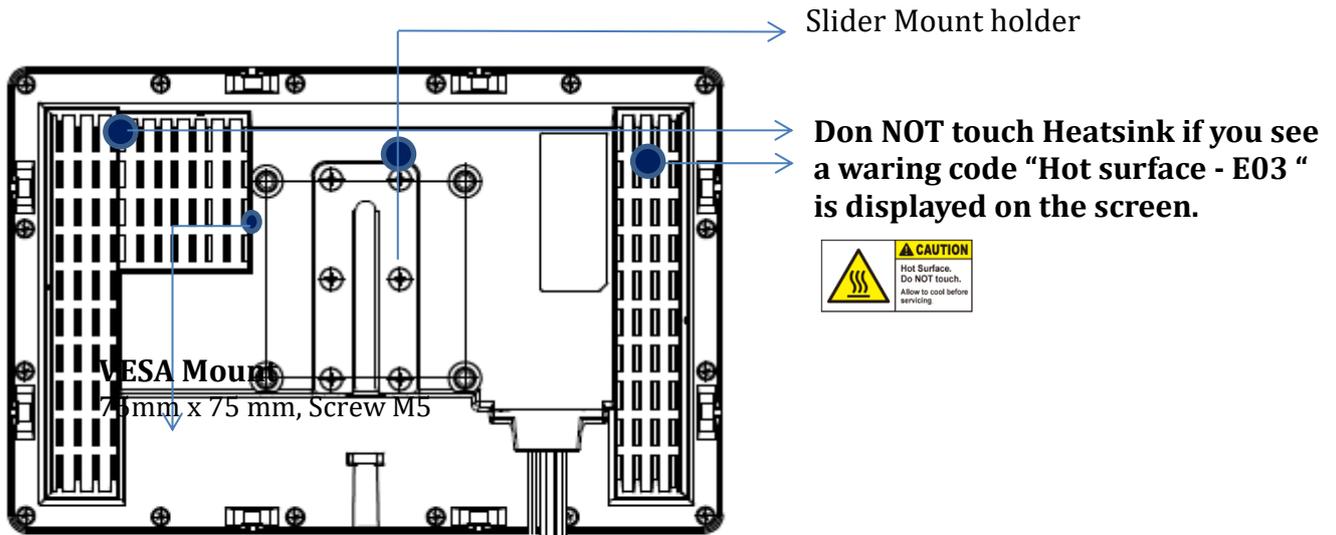
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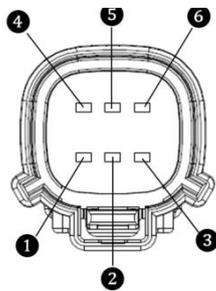
1.1 Front view of ProViu®360 Monitor Device



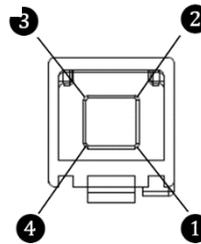
1.2 Rear view of ProViu®360 Monitor Device



Vehicle Connector :
Molex 33472-0601



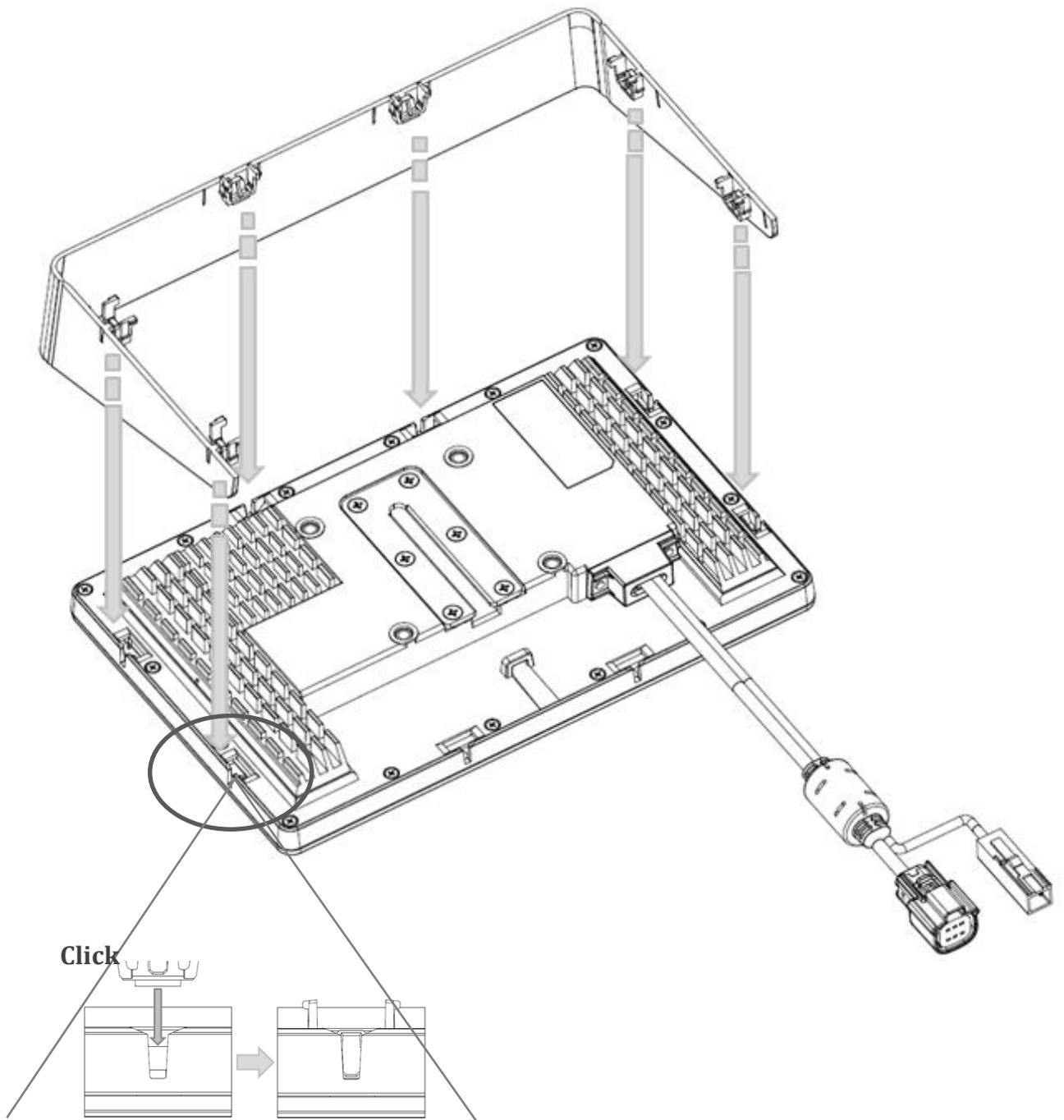
Video Connector :
JAE MX49C04FQ1



Vehicle Connector: Power & Dig-in Pinout		
Pin NO.	Assignment	Description
1	12V/24V	Supply Voltage +
2	GND	Supply Voltage -
3	DIN_1	Digital Input 1
4	DIN_2	Digital Input 2
5	DIN_3	Digital Input 3
6	DIN_4	Digital Input 4

Video Connector Pinout		
Pin NO.	Assignment	Description
1	N/A	Not Connected
2	Signal -	GMSL Data -
3	Signal +	GMSL Data +
4	N/A	Not Connected

1.3 Sunshield Installation

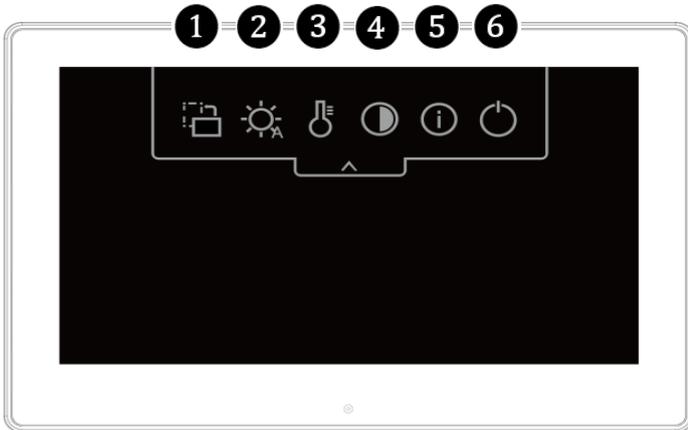


2. Getting Started

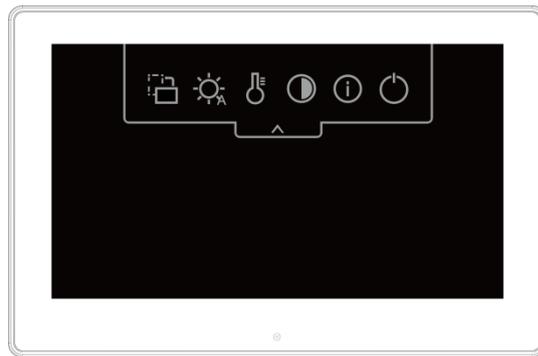
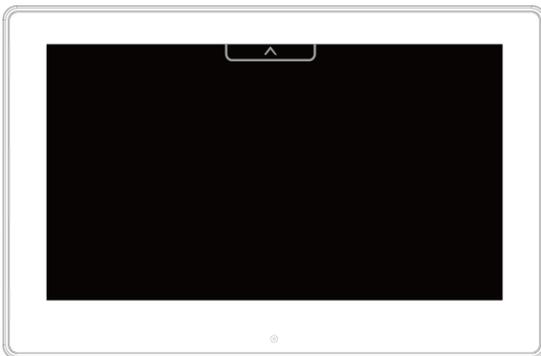
NOTE:

When Monitor Menu is opened, Surround View Content on the Screen cannot be controlled via touch gesture anymore.

2.1 Monitor Menu



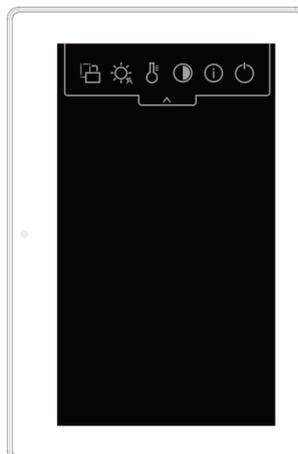
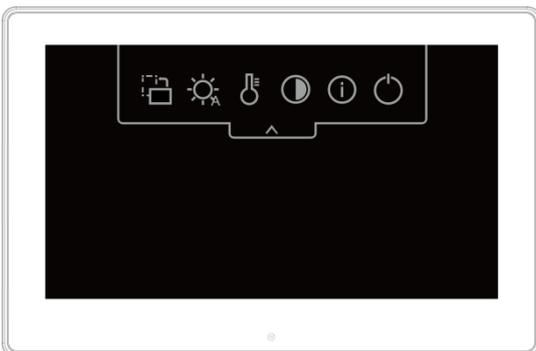
Tap  to launch the OSD menu and display the main menu.



1 Change Screen Orientation

Tap  to change the screen orientation from Landscape to Portrait 90° clockwise.

Tap  again to change the screen orientation from Portrait to Landscape 90° counterclockwise.



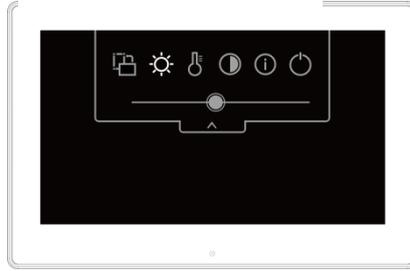
2 Brightness Setting

Tap  Manually Brightness adjusts the luminance of the backlight.
 Slide the bar to right to increase brightness or Slide the bar to left to decrease brightness.
 (min 10% ~ max 100%)

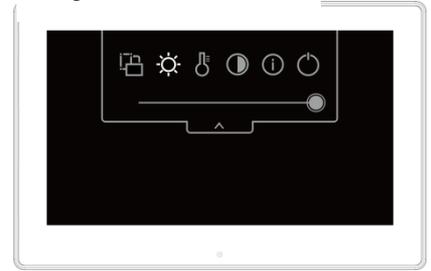
Brightness 10%



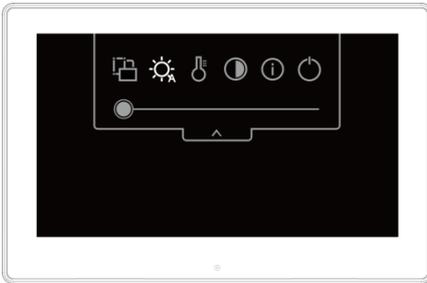
Brightness 50%



Brightness 100%



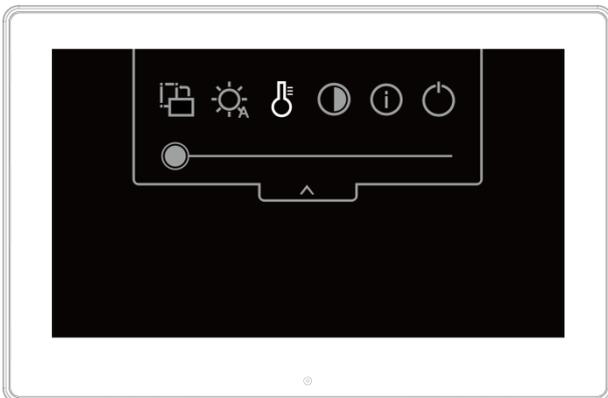
Tap  again
 Automatic Brightness adjusts the luminance of the backlight



3 Color Setting

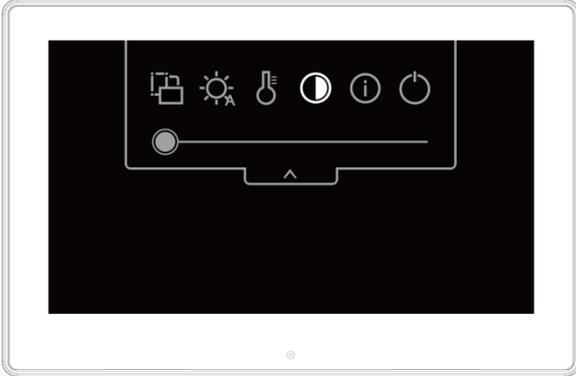
Tap  to adjust the color temperature.

*Warm: Increase the color temperature. The screen appears warmer with a red/yellow tint.
 *Cool: Decreases the color temperature. The screen appears cooler with a blue tint.



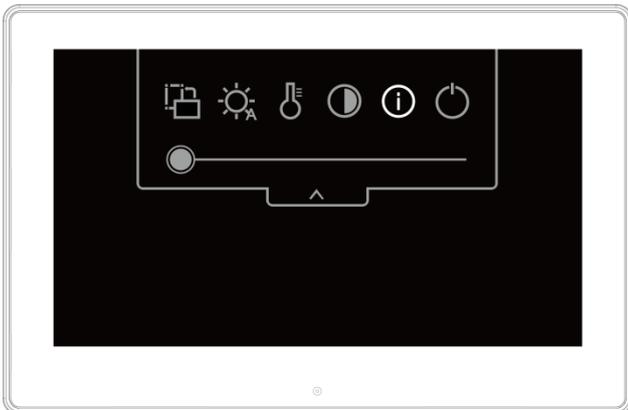
4 Contrast Setting

Tap  to adjust the Contrast Setting.
 Adjust Brightness first, and then adjust Contrast only if further adjustment is necessary.
 Slider the bar to right to increase contrast and Slider the bar to left to decrease contrast
 The Contrast function adjusts the degree of difference between darkness and lightness on the monitor screen.



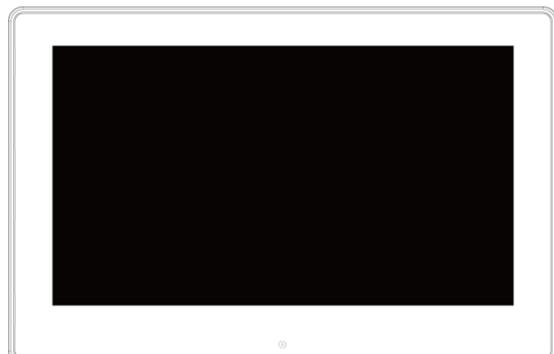
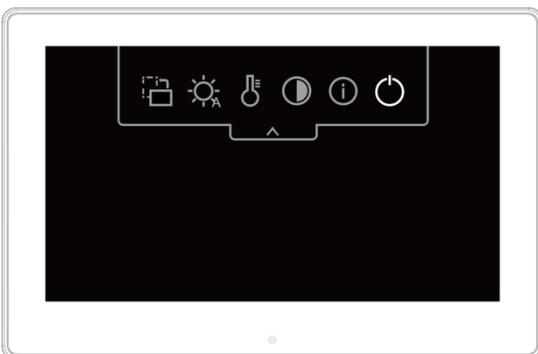
5 Monitor System information

Tap  a pop-up window will be appeared with detail system information.
 Tap anywhere on the screen to close the pop-up window.
 D/C: Production Year (YYYY) + Work Weeks (WW)
 S/N : Serial number of the device
 F/W: Firmware version of the device



6 Screen ON/OFF

Tap  to turn off the luminance of the backlight to 0% (Screen-OFF).
 It can then be set back to normal with a touch anywhere on the screen to turn on the luminance of the backlight (Screen-ON).



2.2 Warning Code

If any of the following Warning Code is displayed on the monitor screen, please check device before further operations.

No.	Warning Code	Description
1	"No Video Signal - E01"	Video Loss Warning
2	"Video Signal invalid - E02"	Invalid Video Signal
3	Hot surface - E03	<p>The heatsink on the back of the ProViu Monitor is Hot. Do not touch it until the ProViu Monitor cools down</p> 

3. Monitor Specification

Monitor Specification

Display	Size	10.1-inch
	Resolution Aspect	1280 x 720 16:9
	Viewing Angle (U/D/R/L)	85/85/85/85
	Brightness	800cd/m2 typ. @75°C Ambient Temperature
	Contrast Ratio	800:01:00
Touchscreen	Touchscreen Type	2-Point Capacitive Touch
	Surface Hardness	8H (IEC/EN 62262 , IK code : IK06)
	TFT Polarizer	Circular Polarizer
Mechanical	Dimension without Sunshield (mm)	270.0 (L) mm*177.2 (H)mm* 33.0 (D)mm
	Weight (g)	<i> Monitor : 1.560 g
		<ii> Sunshield: 62g
	IP rate	IP67
Mounting	<i> Slider Mount (Tool-free removal)	
	<ii> VESA mount (75 x 75 mm)	
Environment	Operating Temperature	-30°C to 75°C @100% Display Brightness
	Storage Temperature	-40°C to 85°C
System	I/O	One (1) Video input with Video connector: LVDS - GMSL
		One (1) Power input with Vehicle Connector:
		Power supply and 4-pins for Dig-In (High Active >6V)
	OSD	Orientation / Brightness / Color Temperature / Contrast / Information / Screen-OFF/ON
	Power	DC 12V-2A or 24V-1A (Connect to Vehicle battery)
Certification Compliance	E-Mark(E24) / CE / FCC	

4. Disclaimer

Copyright and patent notice

This manual guides you in setting up and using your ProViu®360 Monitor. Information in this manual has been carefully checked for accuracy and is subject to change without notice.

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Molex is a registered trademark of Molex Group, LLC.

All other brands or product names mentioned in this manual are trademarks or registered trademarks of their respective companies.

Disclaimer

Continental Aftermarket & Services GmbH accepts no responsibility for consequences of misuse of the system or non-compliance with the ProViu 360 Safety and Installation Instructions.

Please see our standard Terms & Conditions which cover warranty.

FCC Statement

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

NOTICE:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference. It is the responsibility of the user to correct such interference.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE statement

Equipment documentation

The user documentation and/or manual shall contain details of any special measures required to be taken by the purchaser or user to ensure EMC compliance of the EUT with the requirements of this publication. One example would be the need to use shielded or special cables, such as category 5 F/UTP or category 6 U/UTP cabling as defined in ISO IEC 11801.

Equipment compliant with the class A requirements of this publication should have a warning notice in the user manual stating that it could cause radio interference. For example

Warning: Operation of this equipment in a residential environment could cause radio interference.

E-Mark

The E-mark is a certification mark for motor vehicles, safety parts and systems used by the European Commission in accordance with EU directives.

No. E24 10R-05 3183

Other Compliance ad Standards

RoHS Regulation Compliance Statement

RoHS (DIRECTIVE 2011/65/EU and subsequent amendments.)

REACH Regulation Compliance Statement

Reach (REGULATION (EC) No. 1907/2006 and subsequent amendments.)