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## TVG 7 Inch UHD Monitor

### Product Guide

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Read guide fully before commencing installation.  
This guide must be present during time of install.  
This guide is to be used in conjunction with training.

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## Introduction

TVG's new 7" Vehicle Monitor is an ultra high definition monitor designed specifically for in-vehicle CCTV systems. Compact yet powerful, it delivers crisp, clear images from its class leading 1920p display to enhance driver visibility and improve fleet safety. It can be installed in various locations in the cab and has excellent viewing angles allowing drivers to effectively observe their blind spots.

## Key Features

- 7 Inch MIPI 4D Screen with 16:9 Ratio.
- 1200 x 1920 Resolution.
- 4 Channel Video Input.
- Large Viewing Angle.
- Configurable Triggers.
- 1080p, 720p & CVBS (Mixed Input).
- Supports PAL & NTSC (Auto Switching).
- Button Lock.
- Auto Dim.



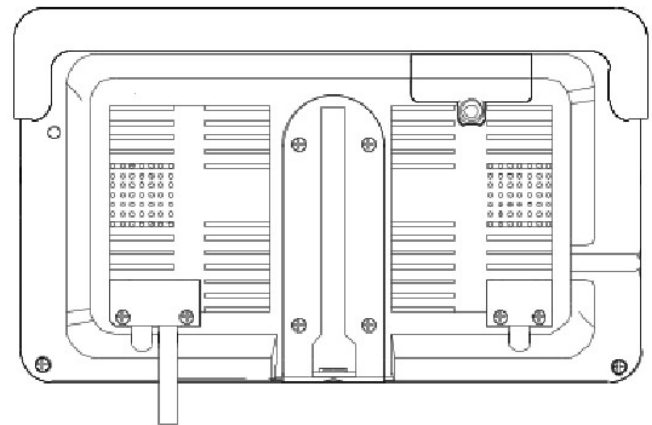
Petal Style Mount



Sun-Visor

## Technical Information

Video / Audio	
Screen	MIPI 4D
Resolution	1200 x 1920 Ultra High Resolution
Frame Rate	1080P 25fps(PAL), 30fps(NTSC)
Inputs	4 Ch video, 1 Ch audio
Input Signals	1080p, 720p, CVBS, multiple mixed signal input
PAL / NTSC	Auto switching
Triggers	4 Ch triggers
Backlight	LED 450cd/m <sup>2</sup>
Viewing Angle	85% (U, D, L, R)
Electrical	
Power Supply	12V to 24V DC
Power Consumption	< 9W
Current	750mA
Physical	
Size	W:193mm x D:27mm x H:115mm
Weight	414g
Working Temperature	-20°C to +60°C
Working Humidity	85% RH
Storage Temperature	-30°C to +85°C



## Buttons

Button	Function
MODE	Switches between the monitor views. When in the menu, the MODE button moves through the various settings.
MENU	Opens and closes the settings menu.
POWER	Turns the monitor on / off.
+ / -	Adjusts the volume (if available). When in the menu, adjusts the selected setting.

## Loom Inputs / Outputs

Wire Colour	Function
Red	ACC
Yellow	12 - 24V
Black	Ground
Brown	Ch 1 trigger
Green	Ch 2 trigger
Blue	Ch 3 trigger
Grey	Ch 4 Trigger
Black 4-pin Aviation Style Connector	Ch1, Ch2, Ch3, Ch4

## Menu Options

Pressing the **Menu** button will open the settings menu for the monitor.

**Picture** - opens the picture settings where the brightness, colour and contrast can be adjusted for each camera (CAM1, CAM2, CAM3, CAM4).

**Blue Screen** - changes the background from black to blue.

**Auto Cycle** - When turned on the monitor will automatically cycle between full screen views of CAM1, CAM2, CAM3, CAM4.

**Auto Dim** - When turned on the monitor will automatically adjust the brightness according to the ambient light.

**+/- Function** - Changes the +/- button function between brightness and volume. By default it is brightness.

**Lock** – Choose which buttons are disabled when Button Lock is on. You can select the Mode, Power, and +/- buttons. To lock or unlock, press and hold the Menu button for 10 seconds. A lock icon in the top-left corner indicates that all selected buttons (including the Menu button) are locked; the icon disappears when the device is unlocked.

**Language** - Changes the menu language.

**ACC Delay** - Adjusts the delay when a trigger is activated. By default this set to 2 seconds.

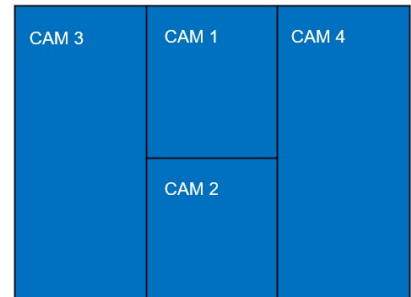
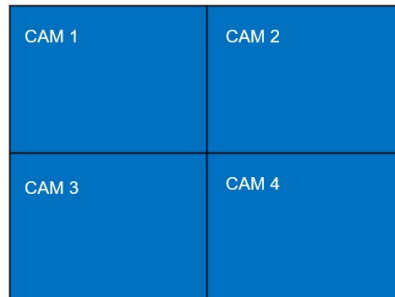
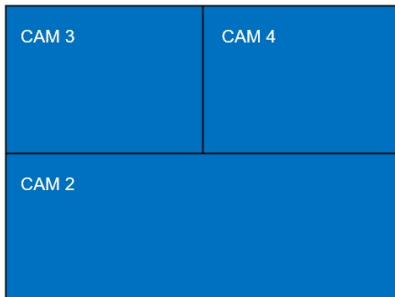
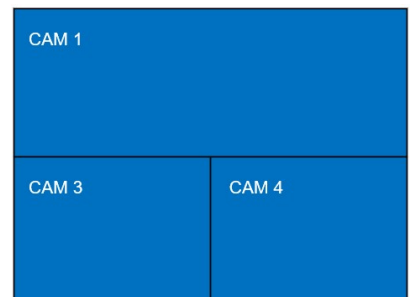
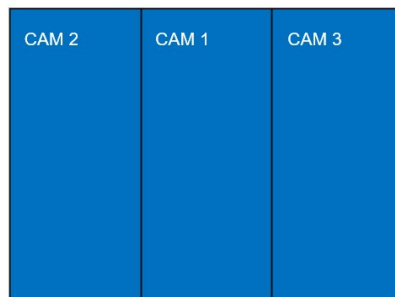
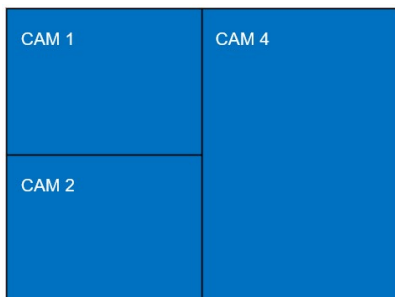
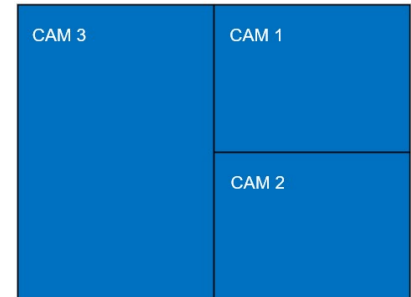
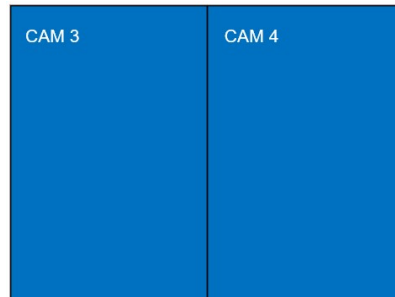
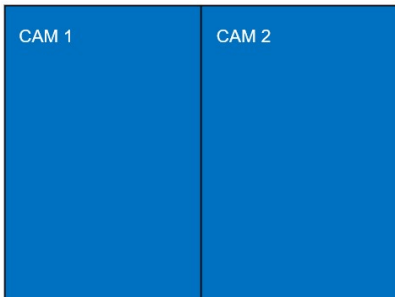
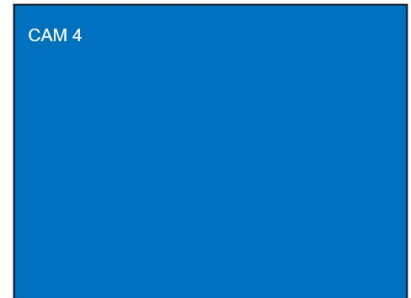
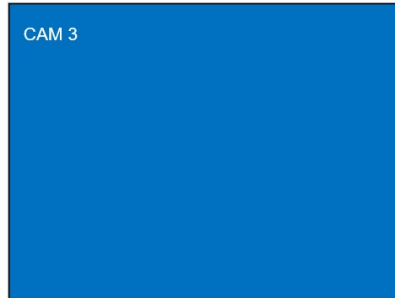
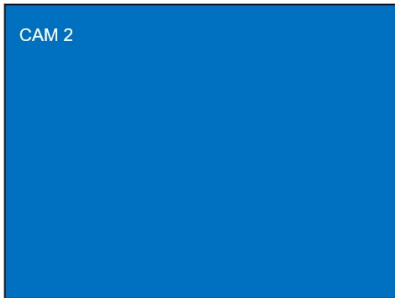
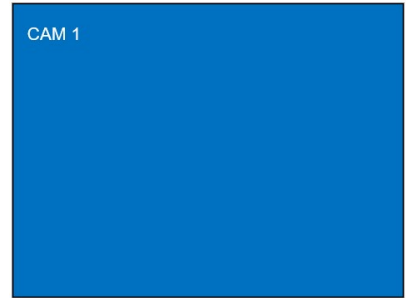
**Guide Line** - Selects if reversing guide lines are on or off for each camera view. The position of the lines can be adjected using the Menu and +/- buttons.

**Video Rotate** - Rotates or flips each camera view.

**Default Setting** - Returns the monitor to the default / factory settings.

## Viewing Options

The monitor has the ability to display multiple view configurations straight from the camera by pressing the Mode button. This now gives customers that do not use a DVR, the option to view their cameras in multiple configurations so they can find a view that suits their drivers.



## About Us

The Vehicle Group Limited (TVG) is a leading manufacturer of high quality safety and security systems for commercial vehicles. Our facility in North Yorkshire, where we have circa 100 employees, is home to our design, manufacturing, engineering, and service centre. We are especially proud of our market leading, British engineered and manufactured CCTV solution Oculux®, which is used Worldwide.

Our technologies include:

- Oculux® Cameras.
- Automotive CCTV.
- CANbus Readers.
- Commercial Vehicle Announcement
- Vehicle Solar Systems.
- Cable Harness Design & Manufacture.
- Electronic Design & Manufacture.

## Useful Contacts

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## Visit Us

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Date	Version	Author	Approval	Changes
05/11/2025	r1.0	A. Barker	M. Blackburn	Initial Release