Aerpro
In-Car Tech Solutions

ADVANCED SAFETY **VISION SYSTEMS**

AEM1R 9.6" DIGITAL E-MIRROR WITH REAR DVR CAMERA



USER MANUAL

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1 Important Safety Information

This manual is provided for information only and may change without notice. Every effort has been made to keep it accurate and complete, but no liability is accepted for any errors or omissions. The manufacturer reserves the right to change specifications and accessories without notice.

Do not set up the e-mirror while driving or while the vehicle is moving. Stop in a safe place before adjusting or installing it.

Avoid touching the rear camera glass lens with your fingers. Finger grease left on the lens will make videos and photos unclear. Clean lens regularly with alcohol or glass cleaner using a clean cloth.

Never take the product apart or attempt to repair it. Doing so may damage the unit, cause electric shock and void your warranty.

For your safety and to comply with local road laws, do not operate the e-mirror by hand while driving.

Set the time and date correctly before you use the e-mirror.

The on-screen functions are a guide only. Always drive according to actual road conditions.

This product is for non-commercial use within the limits allowed by law. No responsibility is taken for loss of use of the product.

The e-mirror becomes warm during use. This is normal.

Incorrect use may damage the product or its accessories and void the warranty.

We are not responsible for the loss of any recorded data or content during operation.

2 What's in the Box

1 x 9.66" digital e-mirror (AEM1R), 1 x AHD 1080P rear camera, 1 x mirror mount, 1 x 8m camera cable.



9.6” Digital E-Mirror



Rear Camera



8M Cable



Mirror Mount

3 Product Overview and Features

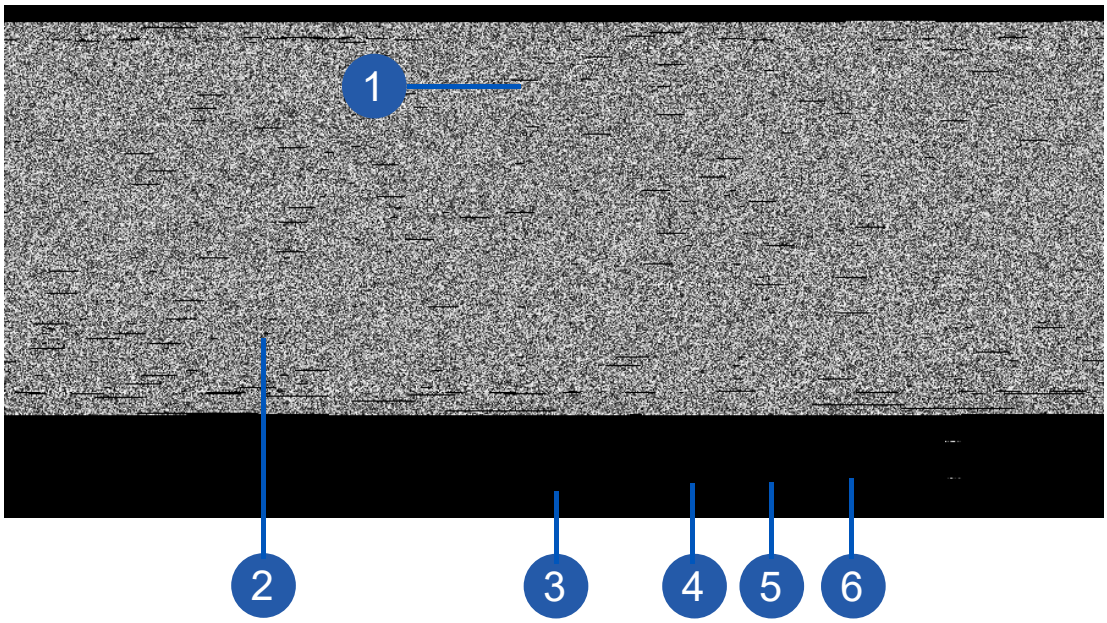
Featuring a 9.66" IPS touchscreen, the AEM1R E-Mirror displays live video feeds and records real-time audio and driving footage.

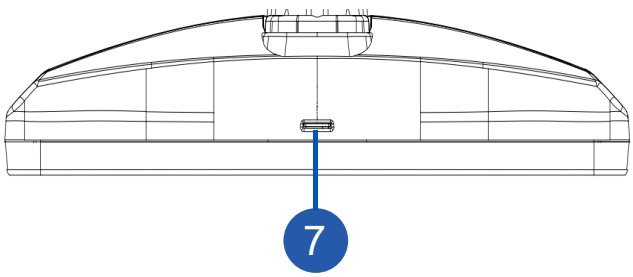
Features:

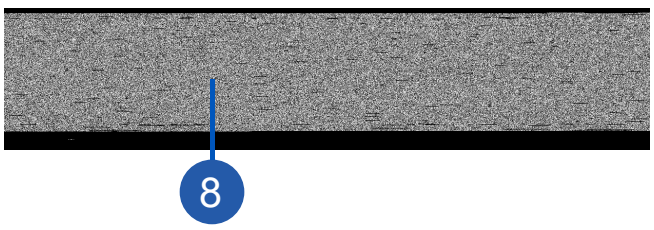
- 9.66" IPS touch screen
- Rear Full HD 1080P recording at 30fps
- Automatic screen brightness
- Reverse trigger with parking guidelines
- Switchable conventional mirror mode
- On-screen clock and date
- Collision detection with emergency recording
- Parking mode

4 Parts and Controls

No.	Item
1	Mirror Mount
2	Touch-screen Display
3	Display Switch ON / OFF
4	Photo Button
5	Reading Light ON / OFF - Press Hold for power ON / OFF
6	Microphone Button ON / OFF
7	Memory Card Slot
8	Reading Light







5 Memory Card

Insert the memory card with the gold contacts facing the front of the e-mirror. Push the card in until it clicks into place.

Card Requirements and Care

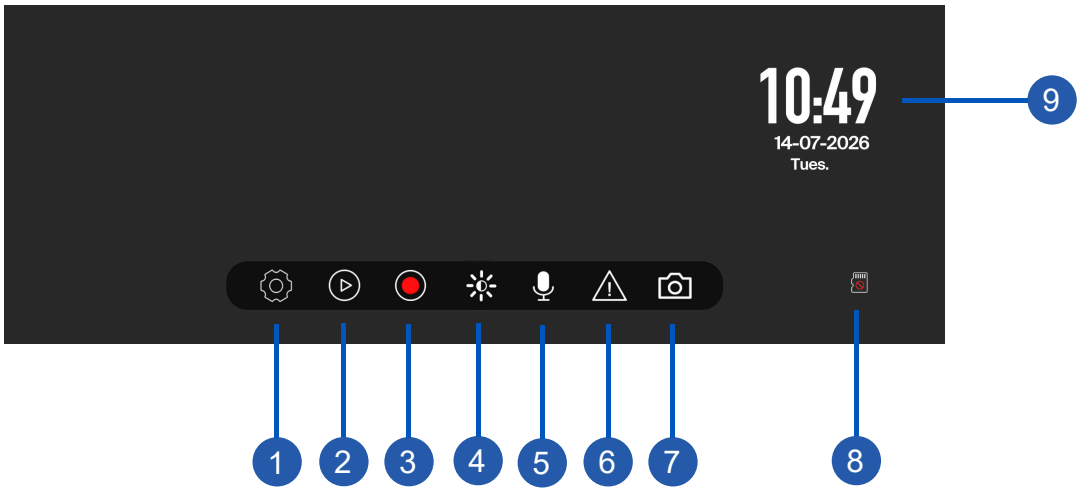
Do not insert or remove the card while the e-mirror is powered on, as this can damage the card. Use a Class 10 microSD card, up to 256GB. Format the card before first use. Reformat the card regularly, about once a month. For cards larger than 64GB, format the card in the e-mirror before first use. Memory cards have a limited working life. After long use, write speed can drop and saving may fail. Replace the card with a new one if this happens.

6 Set the Date and Time

Set the date and time before you first use the e-mirror.

On the recording screen, touch the panel to bring up the function bar. Touch the stop icon to stop recording. Touch the settings icon to open the menu. Slide the sub-menu up or down and select Date/Time. Touch [+] or [-] to change each value, then touch OK to confirm. Touch the back icon to return to the recording screen.

7 Screen Icons



1	Settings Menu
2	Playback recording / Delete files
3	Record On / Off
4	Brightness
5	Microphone On/Off
6	Touch to create an emergency file
7	Touch to take Photo
8	SD Card Status
9	Time & Date Display

7 Operation

7.1 Automatic Recording

When the engine starts, wait a few seconds for the e-mirror to power up. It then turns on and starts recording automatically. Recording stops automatically when the engine is switched off.

The e-mirror can be set to save a video file every 1, 2 or 3 minutes. Recordings are saved to the memory card. When the card is full, the oldest file is overwritten.

7.2 Emergency Recording 

The e-mirror has a G-sensor. When the G-sensor is on and a collision is detected, the e-mirror automatically starts emergency recording. "Lock Current File" appears on screen and a yellow dot flashes in the top left corner. Emergency files are protected and are not overwritten by normal loop recording.

To start emergency recording by hand, touch the emergency icon during normal recording. An emergency file is the same length as the normal loop recording interval. Once that time is reached, the e-mirror returns to normal loop recording.

G-sensor sensitivity is set in the menu under Settings, then Collision Sensitivity: Off, Low, Medium or High. If set to Off, automatic emergency recording is disabled. Emergency files are saved in the Emergency folder and are protected from overwriting. The Emergency folder uses up to 30% of the available card capacity. When that space is full, the oldest locked files are overwritten.

7.3 Photos 

On the recording screen, touch the screen to bring up the function bar, then touch the camera icon to take a photo. You will hear a "camera shutter" sound and the photo is saved to the Photo folder. Photo quality depends on the speed of the subject and the surrounding light. The photo function works best for still shots at an accident scene or when the car is stopped, such as at traffic lights.

7.4 Rear Camera

Once installed, the e-mirror enters the recording screen and starts recording automatically at start-up.

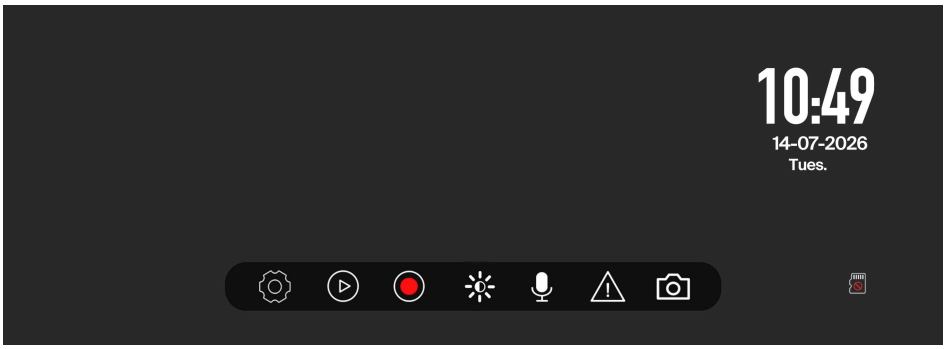
7.5 File Playback 

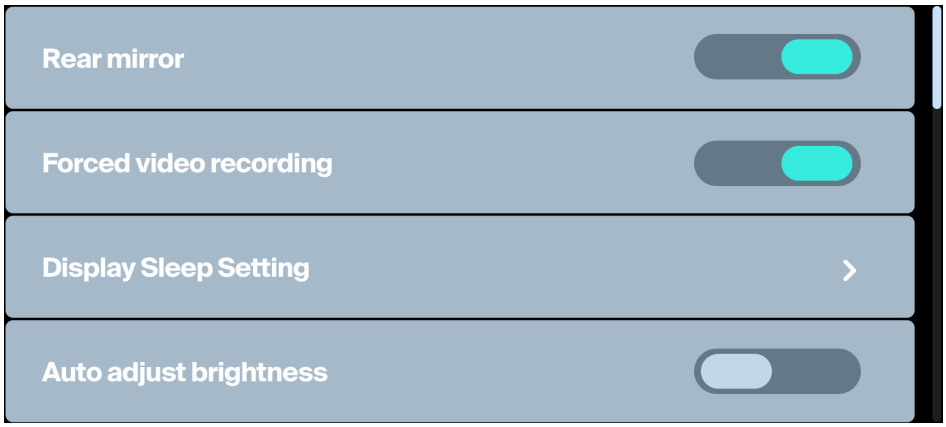
On the recording screen, touch the panel to bring up the function bar. Touch the stop icon to stop recording, then touch the playback icon to open playback. Slide up or down to choose a file. In full screen, use play or pause to control the file, previous or next to move between files, the delete icon to delete a file, and the back icon to return to the previous menu. Deleted files cannot be recovered. Back up any files you want to keep before deleting.

8 Settings

Opening the Settings Menu

On the recording screen, touch the screen to show the function bar along the bottom. Touch the settings (gear) icon to open the menu, then slide up and down to move through the options. The settings are a single scrolling list, grouped below by function for easy reference.



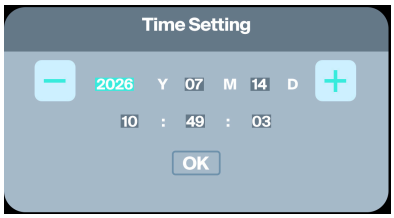


8.1 General Settings

Language(English/简体中文)
Sets the on-screen menu language.



Time Settings
Sets the clock and date. Touch [+] or [-] to change each value, then touch OK to confirm.



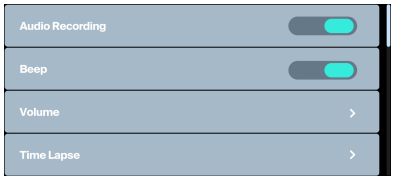
Time Format (Off / 12 hour / 24 hour)
Sets how the time is displayed, or turns the clock display off.



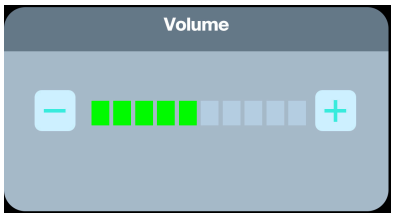
Date Format (YYYY MM DD / MM DD YYYY / DD MM YYYY)
Sets the order the date is displayed.



Beep (On / Off)
Turns the button and operation tones on or off.



Volume
Adjusts the speaker volume. Touch [-] or [+] to set the level across ten steps.

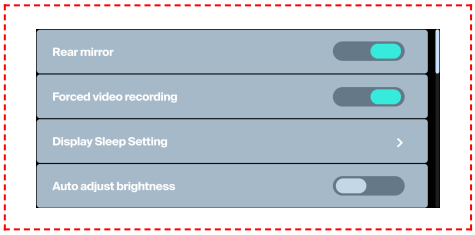


Reset Setup (Yes / No)
Restores all settings to factory defaults. The screen warns "All settings will be deleted."

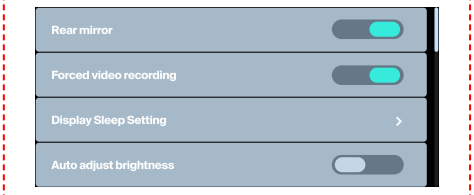


8.2 Display

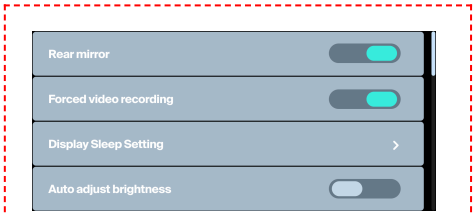
Rear Mirror (On / Off)
Flips the on-screen image horizontally so it reads like a normal mirror.



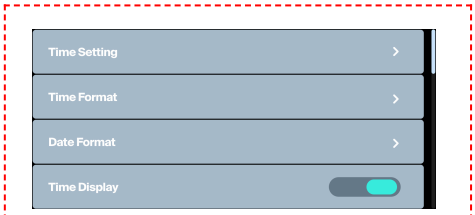
Auto Adjust Brightness (On / Off)
Automatically adjusts screen brightness to suit the surrounding light.



Display Sleep Settings (Off / 1 min / 3 min)
Turns the screen off after the set time while recording continues. Touch the screen to wake it.

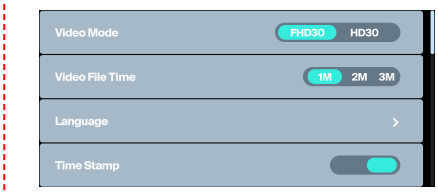


Time Display (On / Off)
Shows or hides the time on the screen.

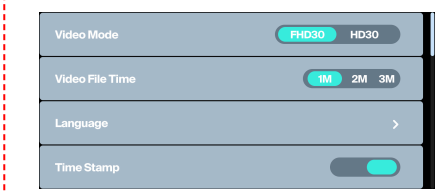


8.3 Camera and Recording

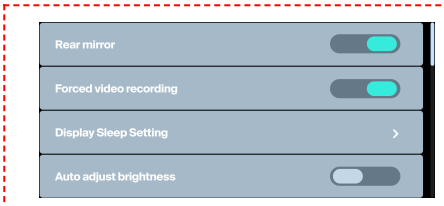
Video Mode (FHD30 / HD30)
Sets the recording resolution. FHD30 records Full HD at 30fps, HD30 records HD at 30fps.



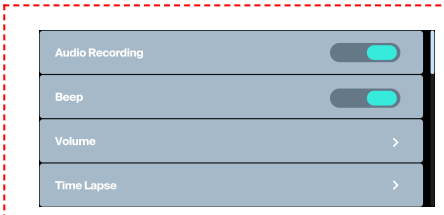
Video File Time (1M / 2M / 3M)
Sets the length of each loop recording file, 1, 2 or 3 minutes.



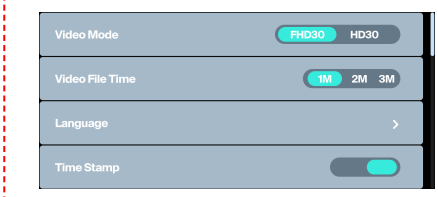
Forced Video Recording (On / Off)
Keeps recording running continuously while the unit is powered.



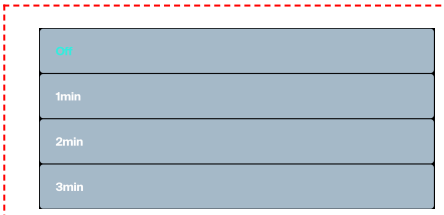
Audio Recording (On / Off)
Records sound from the microphone with your video.



Time Stamp (On / Off)
Adds the date and time onto recorded footage.

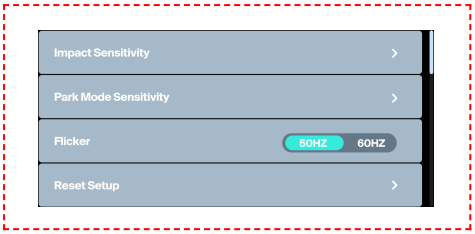


Time Lapse (Off / 1min / 2min / 3min)
Records at set intervals to create a sped-up video instead of continuous recording.

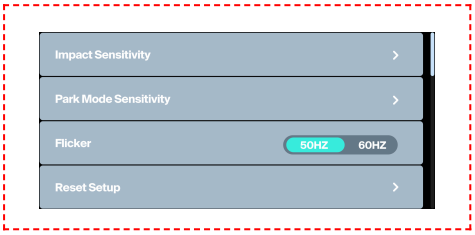


8.3 Camera and Recording (continued)

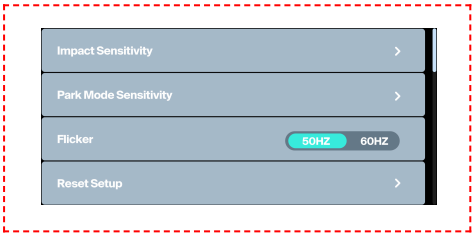
Impact Sensitivity (Off / High / Medium / Low)
Sets how sensitive the G-sensor is to an impact. When triggered, the current file is locked so it is not overwritten. Off disables automatic emergency recording. This is the Collision Sensitivity setting referred to in the manual.



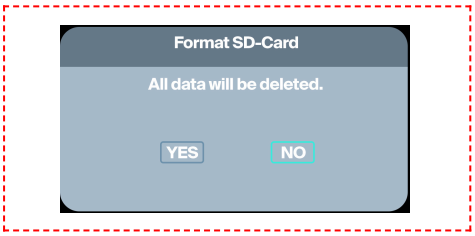
Park Mode Sensitivity (Off / High / Medium / Low)
Sets how sensitive the e-mirror is to movement or impact while parked.



Flicker (50Hz / 60Hz)
Matches the recording to the local mains frequency to reduce flicker from lights. Australia uses 50Hz.

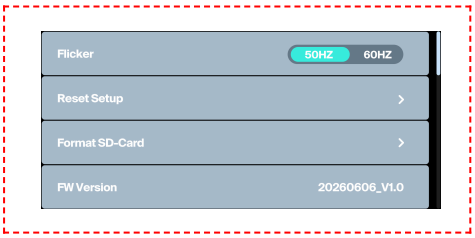


Format SD-Card (Yes / No)
Erases the memory card. The screen warns "All data will be deleted." Back up anything you want to keep first.



8.4 Firmware

FW Version
Shows the current firmware version. The unit shown reads 20260606_V1.0.



9 Specifications

Item	Detail
Display	9.66" IPS touch screen
Monitor resolution	1920 x 480
Camera resolution	AHD 1080P
Camera IP rating	IP69
Screen brightness	1000 nits
Brightness adjustment	Automatic
DVR recording	1080P at 30fps
Memory card	MicroSD, Class 10, up to 256GB
Trigger input	Reverse trigger (automatic camera display with guidelines)
Mirror mode	Flip switch to conventional mirror view
On-screen display	Clock and date
Power supply	12-24V DC
Cable length	8m (camera to mirror)

10 Technical Assistance

If you need assistance setting up or using your Aerpro product now or in the future, call Aerpro Support Australia **TEL: 03 8587 8898** MON-FRI 9AM to 5PM AEST. If you would like to download a digital copy of this manual, or other Aerpro manuals/software, please visit the **http://aerpro.com** website.

This manual is considered correct at the time of printing but is subject to change.