

BHD AI Monitor

BHD-M718AI

Operating & Wiring Instructions



Before using the product, please read this manual carefully and keep it for future reference.

Specifications

Screen Size :	7"
Aspect Ratio :	16:9
Resolution :	1024 x 600
Viewing Angle :	170°
Max. Brightness :	500cd/m ²
Contrast :	500:1
Camera Inputs :	Up to 4
Split Screen :	2 & 4
Voltage :	12–24V
Power Consumption :	<11.4W
Body :	ABS
Triggered Activation :	4
Memory :	SD Card* Up to 256GB
Video Format :	H.264
Speaker :	Built-in
Shock :	4G
Operating Temperature :	-20°C to 70°C

**SD card is not supplied in the kit*

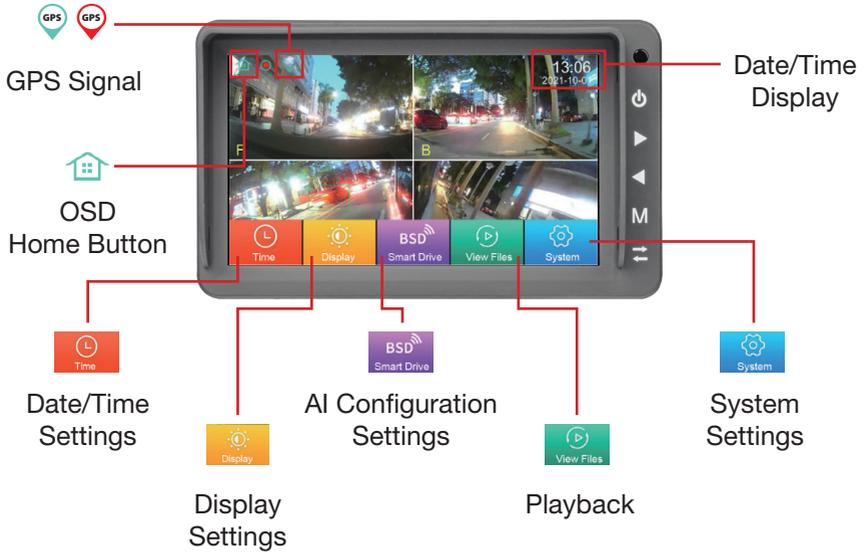
The BHD AI Monitor supports 1080P, 1080N, 720P, and 720N resolutions.
All connected cameras must be set to the same resolution.

Backlit Touch Buttons

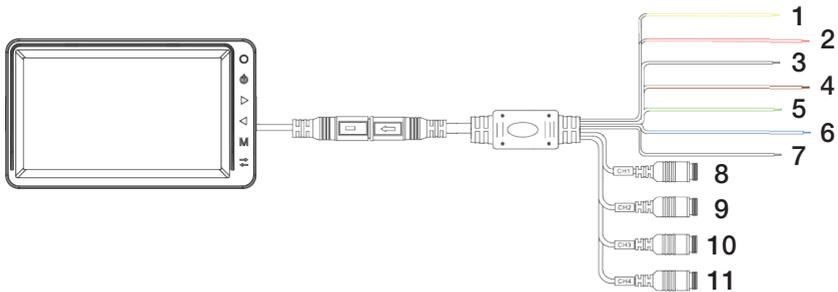


1. Power Button
2. In Menu – Next Item
3. In Menu – Last Item
4. Enter / Exit OSD Menu
5. Display Change.
In Menu – Confirm Selection

Touch Screen OSD Icons



Wiring

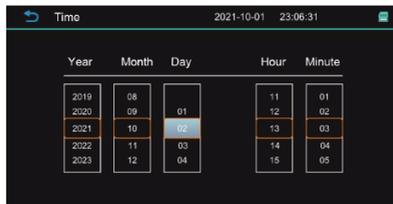


- | | |
|--|--------------------|
| 1. YELLOW – Battery Positive 12–24V | 8. Camera Input 1 |
| 2. RED – ACC Power Input 12–24V | 9. Camera Input 2 |
| 3. BLACK – Ground Wire | 10. Camera Input 3 |
| 4. BROWN – Triggered Camera 1 to Full Screen | 11. Camera Input 4 |
| 5. GREEN – Triggered Camera 2 to Full Screen | |
| 6. BLUE – Triggered Camera 3 to Full Screen | |
| 7. GREY – Triggered Camera 4 to Full Screen | |

General Settings



1. Turn on the display by tapping the screen or pressing button.
2. Press button or icon on touchscreen to enter the OSD menu.
3. Use the touchscreen or buttons to navigate through the menu.
4. Press to confirm selection, or enter the next level of selected item.
5. To set the date and time, press the icon on the screen.
6. Slide to choose Year, Month, Day, Hour and Minute, data will be saved automatically upon pressing exit .



1. To enter the display settings, press the icon on the screen.
2. Use the touch screen or press buttons to change the screen brightness. Press the button to move to contrast and saturation settings, adjust values as needed. Repeat these steps for each setting.
3. Settings will be saved automatically upon pressing exit .



All of the following configuration settings are password protected.
To enter into any settings, enter the password **744868**

AI Settings

AI Zone Calibration

1. To calibrate AI detection zones, press the  icon on the home screen.
2. Press  icon to enter the Calibration settings.



3. Navigate to each of the cameras by pressing the Front/Back/Left/Right buttons on the touch screen.

See the diagram below for default camera placement on screen.



4. To set the detection zones, press  to move between the red dots located at each corner of the zone. Use the four-way arrows  to adjust the size and shape of the detection zone, ensuring the cameras cover all blind spots.

Red Zone box only available with LEFT and RIGHT cameras.



5. When the positions of all corners are set, press  to save, and press  to return to the camera selection screen, repeat the steps for the other cameras.

AI Alarm Warning Settings

- To configure the AI driver alarm warnings, press the icon  on the home screen, then press .



Single Alarm Sound – in single screen mode, the monitor will provide visual and audible alert whenever a person or vehicle is detected in the specific camera view.

Four Alarm Sound – in quad split screen mode, the monitor will provide visual and audible alert whenever a person or vehicle is detected in any of the camera view.

- Single alarm sound active – monitor will alert in single screen view only.
- Four alarm sound active – monitor will alert in quad screen view only
- Both single and four alarm active – monitor will alert in both single and quad views.



Visual on-screen alerts continue regardless of above settings.

AI Detection Sensitivity Settings

- The BHD AI Monitor has 3 levels of sensitivity – LOW, MID and HIGH for AI subject detection, this can be set by the user to suit their specific application.
- To set the subject detection, press the  icon on the home screen, then press .
- Select the desired sensitivity level.

This feature is factory set to MID.



AI Subject Detection Settings

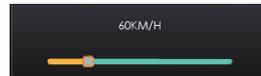
- The BHD AI Monitor can be configured to detect human subjects only, vehicles subjects only or both human and vehicle subjects.
- To set the subject detection, press the  icon on the home screen, press  then swipe up to the bottom of menu.
 - Select the desired option. Settings will be saved automatically upon pressing exit .



This feature is factory set to detect both human and vehicle subjects.

Speed Cutout Settings

- In addition to the above, the BHD AI Monitor has an inbuilt speed cutout function, allowing the user to set a speed limit cut off for audible alerts above a selected speed threshold. In order to utilise the speed cutout function, the provided GPS antenna must be installed.
- To set the speed cutout, press the  icon on home screen then press . This feature is factory set to cut out all alarms at 20km/h. It can be adjusted to OFF, or to a speed above 20km/h via the slide bar.




GPS signal
connected


GPS
signal lost

The speed cutout function uses GPS signal to detect vehicle speed. If the GPS signal is lost drivers are notified via a red on-screen GPS icon and audible “GPS lost” message. If the GPS signal is lost all AI alarms will be muted with only on-screen AI alerts remaining active. When the GPS signal is restored the on-screen GPS icon will revert to green and drivers will be notified via an audible “alarms active” message. Both on-screen and audible AI alarms will resume.

Setting the speed cutout to 0km/h disables the speed cutout function. Keeping all alarms and on-screen notifications active at all times.

Note – upon system startup the “GPS lost” message will be heard. Initial GPS connection can 20-30 seconds to establish.

Record Settings

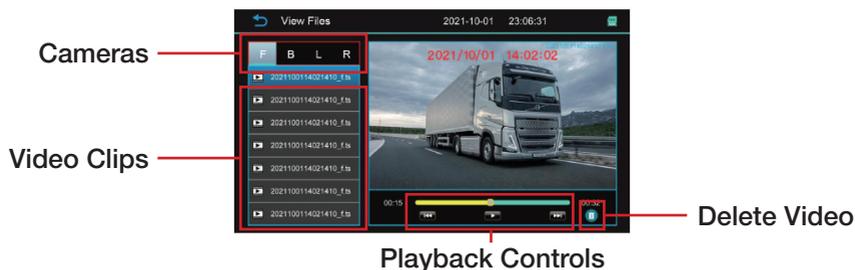
Interval Recording –  Interval record 24H Enable this function to allow the cameras to continue recording after the car is switched off. The video will be recorded at a lower frame rate to save storage space. This setting can be configured to 1 hour, 12 hours, or 24 hours.

The interval recording videos are factory set to playback at 25X speed.

Format Storage –  Format Storage Format the SD card to ensure optimal compatibility with the system.

Loop Record –  Loop record 2Min Set the length of each video clip. This configuration can be adjusted to 1 minute or 2 minutes.

Playback – Press  on the home screen to enter the video playback menu. Use the touch screen to operate camera/clip selection, playback controls, and video clip deletion.



System Settings

Video Watermark – Add or remove Year/Date/Time overlay on video clips.

Record Mute – Set to ON to record sound, OFF to mute the recording.

Screen Sleep – Automatically turn off the screen after X seconds, X can be set to 10, 30, 60 or OFF.

Reversing Line – Available with 3 different types of reverse parking lines.

Trigger Delay – Delay recording for X seconds when triggered, X can be set to 3, 6, 9 or OFF.

Keystone – Enable/disable key touch sound.

Frontcam Mirror – Flip the view of cameras. Default is set to ON for front camera, off for other cameras.

Camera Resolution – Set cameras Resolution to 1080P, 1080N, 720P or 720N (if applicable).