



4K High Definition Dashboard Camera with Wireless Link and Rear Camera input



▼ FEATURES:

- 4K High Definition 8.3 Mega-pixel (3840x2160px) Recording.
- Front & Rear, Dual channel Recording Mode*.
- Event Recording Mode with file protection.
- High Resolution Screenshot are stored in dedicated Photo Folder.
- Smart Parking Mode**: Vibration detection, Motion detection or Time-lapse mode.
- Display invert & Display mirror mode (Front & rear image independent).
- Screen saver: screen always On / Dim after 30 sec or 2min / Off after 30sec or 2min.
- KENWOOD stamp / Information stamp / License Plate stamp / Time & Date stamp.
- Playback Mode: Protected/Video/Photo.
- High Dynamic Range (HDR) mode.
- Built-in GPS receiver & Built-in 3-Axis G-sensor.
- Built-in Wireless LAN & App Link.
- Built-in super capacitor.
- Built-in microphone & speaker.
- Rear camera input for 2 channel recording.
- Menu language options: English(default)/Deutsche/Français/Nederlands/Italiano/Español/Português/Polka/Cesky/Româna
- Country options: United States/Canada/China/Mexico/Korea/Japan/Taiwan/Russia/Spain/Norway/Finland/Sweden/Germany/France/Italy/Netherlands/Belgium/Denmark/Poland/United Kingdom/Ireland/India/Others.
- Free Downloadable PC application "KENWOOD VIDEO PLAYER" for Windows & Mac.
- Free Smartphone application "KENWOOD DASHCAM MANAGER" for IOS and Android.
- Adhesive mounting bracket, USB Car Charger, 4m Car Power Cable, Cable clips included.
- 64GB micro SD card included

*Maximum recording resolution: Front 4K video and 2K for rear video (KCA-R210 rear camera sold separately)

**Smart Parking Mode Recording requires CA-DR1130 hard wire kit (sold separately)

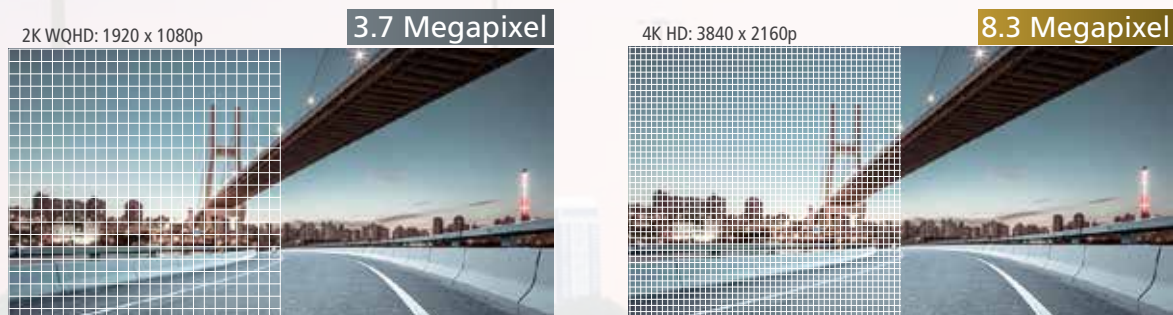


▼ 4K HD Recording

With its 8.3 megapixel CMOS sensor, DRV-A610W captures 4K HD video at 30fps, more than 2 times as many pixels as 2K Wide Quad HD, making super-high resolution recording and replay possible.

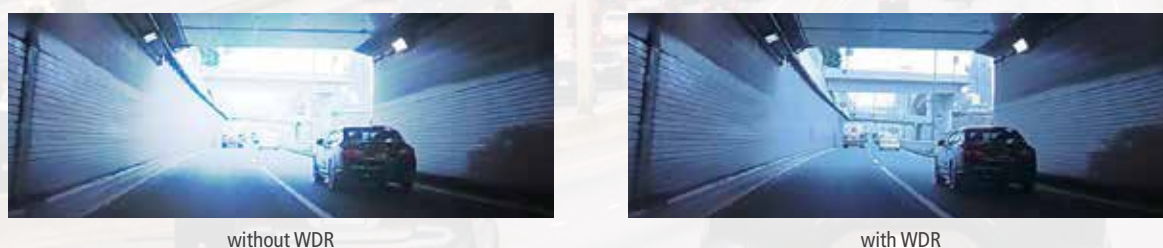


*By connecting the optional rear camera (KCA-R210) it is possible to record front and rear directions simultaneously, Front in 4K maximum recording resolution and rear in 2K HD maximum recording resolution.



▼ Wide Dynamic Range (WDR) for Backlighting

WDR (Wide Dynamic Range) helps to reduce "blown out highlights" and "crushed blacks" and ensure clear images in challenging environments, including backlight scenes in daylight, street light scenes at night and places where light-dark contrast is particularly severe, such as at tunnel entrances/exits.



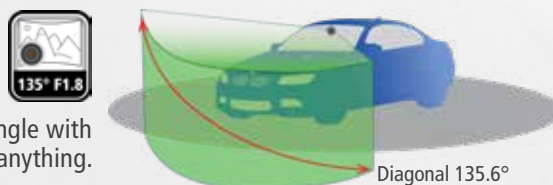
▼ 2.0" Full Color TFT Display

This camera comes with a screen that perfectly fits its camera, without any loss of resolution. This design allows you to use the playback feature, instantly letting you view the shot you just captured. Play back and confirm the high quality videos from your drive on the large 2.0" full color screen. Thanks to the intuitive GUI including large and legible text, operations can be performed with ease.



▼ F1.8 Lens — Ultra-Wide Viewing Angle

This camera features the F1.8 Lens, which boasts industry-leading brightness. Easily records razor-sharp videos in 4K resolution both during the day and in low light without underexposing or overexposing the image. The camera ultra-wide viewing angle with a diagonal angle of 135.6° can capture information at wide ranges without missing anything. Small details are clearly visible as a result, such as the license plates of other cars.

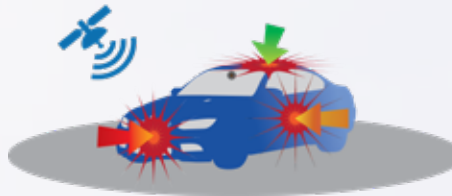


▼ 3-axis G Sensor & GPS Receiver

The built-in 3-axis G Sensor with adjustable sensitivity detects an outside force, forcing the device to save what has just been recorded. In addition, the GPS Receiver allows your videos to add location and speed data.



The 3-axis G Sensor detects an outside force.



▼ Super Capacitor

This prevents the video file being recorded from being corrupted if power is lost due to a collision or other physical impacts, as it provides enough power to allow the file to be saved and the unit to shut down properly.



▼ Smart Parking Mode



Smart Parking Mode has three functions to select from : Vibration Detection, Motion Detection or Time-lapse. When your vehicle is parked and turned off, the Smart Parking Mode becomes active. Depending of the selected function, Vibration Detection or Motion Detection, the dashboard camera automatically records 30 seconds of video when detecting a vibration of the vehicle, or a motion in the camera's field of view of the Front or Rear camera, until no more vibrations or motions are detected. If the Time-lapse is selected, the device will begin capturing time-lapse video until the next time the car is started or until triggered by a voltage threshold. The hard-wire kit CA-DR1130 (sold separately) is required in order to use the Smart Parking Mode.



Vibration detection mode



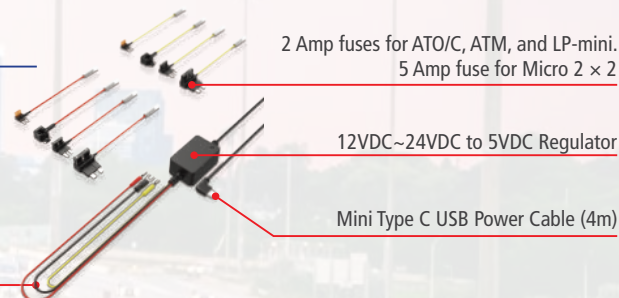
Motion detection mode



Time-Laps mode

▼ CA-DR1130* Hard-wire kit for Smart Parking Mode

Hard-wire kit for DRV-A310W/DRV-A510W/DRV-A610W.



▼ Front & Rear View Recording

The DRV-A610W connects to the optional KCA-R210 rear camera, providing simultaneous recording in both the front and rear of your vehicle. When in Dual Camera Recording Mode, the maximum recording resolution is 8.3 Megapixel (4K) for the front camera and 3.7 Megapixel (2K) for the rear camera.



Front (DRV-A610W)



Rear (KCA-R210)

▼ KCA-R210* Rear Camera

Optional 2K HD rear camera for DRV-A610W. The IP67 dust & water resistant KCA-R210 rear camera includes a 8 meter cable that connects to the front dash cam, allowing it to easily be mounted to the rear windshield or anywhere else in- or outside the vehicle where you would like to record. Supports Motion detection in Parking mode. The camera can be rotated up & down 170 degree and gives total flexibility and provide a proper view for various angles of the rear window. The additional special double-joint bracket allows you to install the rear camera on a vertical surface, supporting various angles of installation and compatibility with various car models.



(*sold separately)

▼ Wireless Smartphone Link (Wireless LAN)



The new "KENWOOD DASH CAM MANAGER" app allows you to easily change the menu settings of your dash cam and browse through recorded videos as well as access the real-time live view from your smartphone in an intuitive way. By downloading the video / photo files into your smartphone, you can even review them while routing on Google Maps with the GPS information such as speed, G-sensor and distance, and edit the videos to share them on social media. Download the app from App Store (iOS) or Google Play (Android) on your smartphone.



Video Playback



Manual Recording



GPS Information with Google Maps

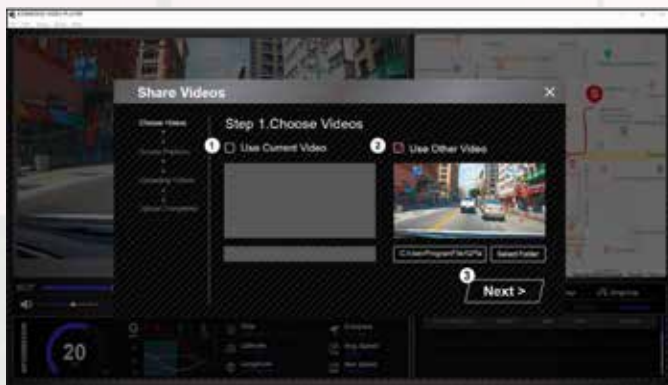


Sharing Videos



▼ KENWOOD Video Player

The desktop software "KENWOOD VIDEO PLAYER" is available for displaying video recorded with the device. You can also play back, edit and share the videos on your PC. Download the installer from <https://www.kenwood.com/cs/ce/>, and install the software according to the on-screen instructions.



Share your videos directly to social media



Main Screen provides access to video editing, GPS, speed map data & more!

▼ Specifications

Power Requirements	5V / 1.5A; 12~24VDC.	Video Format:	H.264 / MPEG4
Power Supply (Car power cable)	Input 12-24VDC (Car Charger Adapter) Output: 5VDC	Audio Format:	AAC
Front sensor Resolution	8M Pixel	Picture Format:	JPEG (Max 3840 x 2160)
Lens Angle / Aperture	135.6° / F1.8 Fixed focus	Wireless Link Specifications:	
Front Recording Resolution	4K HD: 3840 x 2160 pixel @ 30fps	- Standard	IEEE802.11n
Rear Recording Resolution	2K HD: 2560 x 1440 pixel @ 30fps (Rear camera KCA-R210 is sold separately)	- Security	WPA2
Image sensor:	1/2.8" CMOS Sensor	- Frequency Range	2400-2483MHz ISM band
Diagonal Field of view:	135.6°	- Transfer Rate	150Mbps (802.11n)
Screen Size:	2.0" Colour TFT LCD	- Output Power	9.46dBm±2dB (802.11n)
Screen Resolution:	320 (W) X 240 (H) pixels x RGB	GPS Frequency Range	1559-1610MHz
Screen Ratio:	4:3	Unit Dimensions:	58,5mm x 42,8mm x 24,4mm
Card Reader:	Micro-SD, SDHC, up to 256Gb	Unit Weight	72gr.
SD Card (Recommended Type):	micro SDXC/SDHC card, 8Gb ~256GB, UHS Speed Class 3 (U3)	SD Card Recorded File Capacity (Based on Default Settings of single channel (Front) recording)	32 GB Micro SD = 120 min. of recording 64 GB Micro SD = 240 min. of recording 128 GB Micro SD = 480 min. of recording 256 GB Micro SD = 960 min. of recording

REMARK!

The life of SD Cards is limited but it could be from 3 months to a year or more depends on usage, be sure to format the memory card once a while for optimal use. (Replace memory card when it's become unusable).



2K High Definition Dashboard Camera with Wireless Link and Rear Camera input



▼ FEATURES:

- 2K High Definition 5 Mega-pixel (2650x1440px) Recording.
- Front & Rear, Dual channel Recording Mode*.
- Event Recording Mode with file protection.
- High Resolution Screenshot are stored in dedicated Photo Folder.
- Smart Parking Mode**: Vibration detection, Motion detection or Time-lapse mode.
- Display invert & Display mirror mode (Front & rear image independent).
- Screen saver: screen always On / Dim after 30 sec or 2min / Off after 30sec or 2min.
- KENWOOD stamp / Information stamp / License Plate stamp / Time & Date stamp.
- Playback Mode: Protected/Video/Photo.
- High Dynamic Range (HDR) & Wide Dynamic Range (WDR) mode.
- Built-in GPS receiver & Built-in 3-Axis G-sensor.
- Built-in Wireless LAN & App Link.
- Built-in super capacitor.
- Built-in microphone & speaker.
- Rear camera input for 2 channel recording.
- Menu language options: English(default)/Deutsche/Français/Nederlands/Italiano/Español/Português/Polska/Cesky/Româna
- Country options: United States/Canada/China/Mexico/Korea/Japan/Taiwan/Russia/Spain/Norway/Finland/Sweden/Germany/France/Italy/Netherlands/Belgium/Denmark/Poland/United Kingdom/Ireland/India/Others.
- Free Downloadable PC application "KENWOOD VIDEO PLAYER" for Windows & Mac.
- Free Smartphone application "KENWOOD DASHCAM MANAGER" for IOS and Android.
- Adhesive mounting bracket, USB Car Charger, 4m Car Power Cable, Cable clips included.

*Maximum recording resolution: Front 2K video and Full HD for rear video (KCA-R110 is sold separately).

**Smart Parking Mode Recording requires CA-DR1130 hard wire kit (sold separately).



▼ 2K HD Recording

With its 5 megapixel CMOS sensor, DRV-A510W captures 2K HD video at 30fps, more than 2 times as many pixels as Full HD, making super-high resolution recording and replay possible.

*By connecting the optional rear camera (KCA-R110) it is possible to record front and rear directions simultaneously, Front in 2K maximum recording resolution and rear in Full HD maximum recording resolution.



Full HD: 1920 x 1080p

2 Megapixel



WQHD: 2560 x 1440p

3.7 Megapixel



▼ Wide Dynamic Range (WDR) and High Dynamic Range (HDR) for Backlighting

— Reducing “Blown out Highlights” and “Crushed Blacks” —

WDR (Wide Dynamic Range) and HDR (High Dynamic Range) helps to reduce “blown out highlights” and “crushed blacks” and ensure clear images in challenging environments, including backlight scenes in daylight, street light scenes at night and places where light-dark contrast is particularly severe, such as at tunnel entrances/exits.



without WDR/HDR



with WDR/HDR

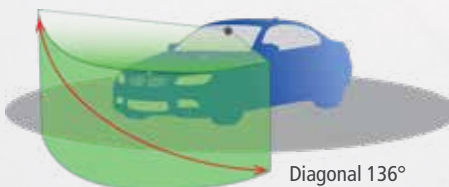
▼ 2.0" Full Color TFT Display.

This camera comes with a screen that perfectly fits its camera, without any loss of resolution. This design allows you to use the playback feature, instantly letting you view the shot you just captured. Play back and confirm the high quality videos from your drive on the large 2.0" full color screen. Thanks to the intuitive GUI including large and legible text, operations can be performed with ease.



▼ F1.8 Lens — Ultra-Wide Viewing Angle

This camera feature the F1.8 Lens, which boasts industry-leading brightness. Easily records razor-sharp videos in 2K resolution both during the day and in low light without underexposing or overexposing the image. The camera ultra-wide viewing angle with a diagonal angle of 136° can capture information at wide ranges without missing anything. Small details are clearly visible as a result, such as the license plates of other cars.



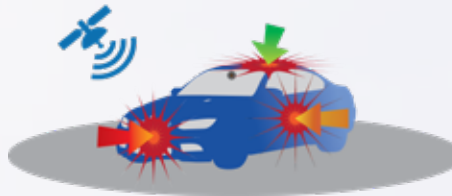
Diagonal 136°

▼ 3-axis G Sensor & GPS Receiver

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The 3-axis G Sensor detects an outside force.



▼ Super Capacitor

This prevents the video file being recorded from being corrupted if power is lost due to a collision or other physical impacts, as it provides enough power to allow the file to be saved and the unit to shut down properly.



▼ Smart Parking Mode

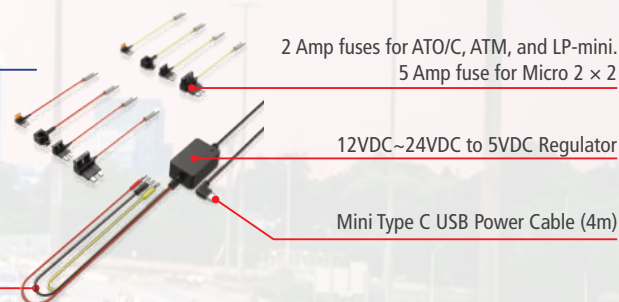


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▼ CA-DR1130* Hard-wire kit for Smart Parking Mode

Hard-wire kit for DRV-A310W/DRV-A510W/DRV-A610W.

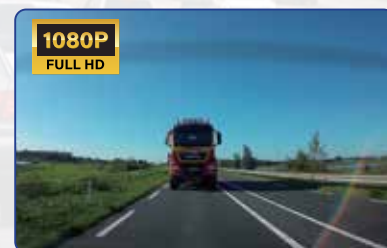


▼ Front & Rear View Recording

The DRV-A510W connects to the optional KCA-R110 Full HD rear camera, providing simultaneous recording in both the front and rear of your vehicle. When in Dual Camera Recording Mode, the maximum recording resolution is 5 Megapixel (2K) for the front camera and 2 Megapixel (Full HD) for the rear camera.



Front (DRV-A510W)



Rear (KCA-R110)

▼ KCA-R110* Rear Camera

Optional Full HD rear camera for DRV-A510W and DRV-A310W. The IP67 dust & water resistant KCA-R110 rear camera includes a 8 meter cable that connects to the front dash cam, allowing it to easily be mounted to the rear windshield or anywhere else in- or outside the vehicle where you would like to record. Supports Motion detection in Parking mode. The camera can be rotated up & down 170 degree for total flexibility and provide a proper view for various angles of the rear window. The additional special double-joint bracket allows you to install the rear camera on a vertical surface, supporting various angles of installation and compatibility with various car models.



(*sold separately)

▼ Wireless Smartphone Link (Wireless LAN)



The new "KENWOOD DASH CAM MANAGER" app allows you to easily change the menu settings of your dash cam and browse through recorded videos as well as access the real-time live view from your smartphone in an intuitive way. By downloading the video / photo files into your smartphone, you can even review them while routing on Google Maps with the GPS information such as speed, G-sensor and distance, and edit the videos to share them on social media. Download the app from App Store (iOS) or Google Play (Android) on your smartphone.



Video Playback



Manual Recording



GPS Information with Google Maps

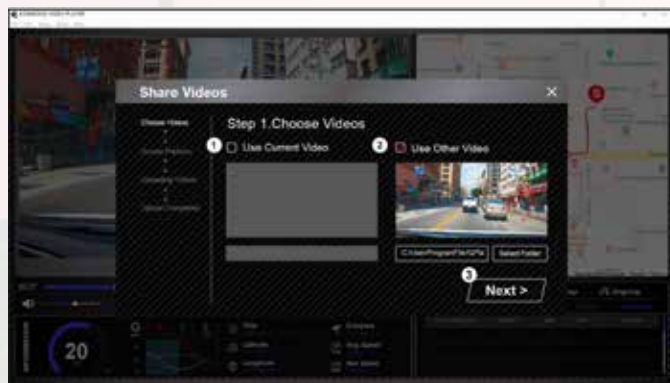


Sharing Videos



▼ KENWOOD Video Player

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Share your videos directly to social media



Main Screen provides access to video editing, GPS, speed map data & more!

▼ Specifications

Power Requirements	5V / 1.5A; 12~24VDC.	Video Format:	H.264 / MPEG4
Power Supply (Car power cable)	Input 12-24VDC (Car Charger Adapter) Output: 5VDC	Audio Format:	AAC
Front sensor Resolution	5M Pixel	Picture Format:	JPEG (Max 2560 x 1440)
Lens Angle / Aperture	136° / F1.8 Fixed focus	Wireless Link Specifications:	
Front Recording Resolution	2K HD: 2560 x 1440 pixel @ 30fps	- Standard	IEEE802.11n
Rear Recording Resolution	1920 x 1080 pixel @ 30fps (Rear camera KCA-R110 is sold separately)	- Security	WPA2
Image sensor:	1/2.8" CMOS Sensor	- Frequency Range	2400-2483MHz ISM band
Diagonal Field of view:	136°	- Transfer Rate	150Mbps (802.11n)
Screen Size:	2.0" Colour TFT LCD	- Output Power	9.46dBm±2dB (802.11n)
Screen Resolution:	320 (W) X 240 (H) pixels x RGB	GPS Frequency Range	1559-1610MHz
Screen Ratio:	4:3	Unit Dimensions:	58,5mm x 42,8mm x 24,4mm
Card Reader:	Micro-SD, SDHC, up to 256Gb	Unit Weight	70gr.
SD Card (Recommended Type):	micro SDXC/SDHC card, 8Gb ~256GB, UHS Speed Class 3 (U3)	SD Card Recorded File Capacity (Based on Default Settings of single channel (Front) recording)	32 GB Micro SD = 190 min. of recording 64 GB Micro SD = 380 min. of recording 128 GB Micro SD = 760 min. of recording 256 GB Micro SD = 1520 min. of recording

REMARK!

The life of SD Cards is limited but it could be from 3 months to a year or more depends on usage, be sure to format the memory card once a while for optimal use. (Replace memory card when it's become unusable).



Full High Definition Dashboard Camera with Wireless Link and Rear Camera input



▼ FEATURES:

- Full High Definition 2 Mega-pixel (1920x1080px) Recording.
- Front & Rear, Dual channel Recording Mode*.
- Event Recording Mode with file protection.
- High Resolution Screenshot are stored in dedicated Photo Folder.
- Smart Parking Mode**: Vibration detection, Motion detection or Time-lapse mode.
- Display invert & Display mirror mode (Front & rear image independent).
- Screen saver: screen always On / Dim after 30 sec or 2min / Off after 30sec or 2min.
- KENWOOD stamp / Information stamp / License Plate stamp / Time & Date stamp.
- Playback Mode: Protected/Video/Photo.
- High Dynamic Range (HDR) & Wide Dynamic Range (WDR) mode.
- Built-in GPS receiver & Built-in 3-Axis G-sensor.
- Built-in Wireless LAN & App Link.
- Built-in super capacitor.
- Built-in microphone & speaker.
- Rear camera input for 2 channel recording.
- Menu language options: English(default)/Deutsche/Français/Nederlands/Italiano/Español/Português/Polksa/Cesky/Româna
- Country options: United States/Canada/China/Mexico/Korea/Japan/Taiwan/Russia/Spain/Norway/Finland/Sweden/Germany/France/Italy/Netherlands/Belgium/Denmark/Poland/United Kingdom/Ireland/India/Others.
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- Adhesive mounting bracket, USB Car Charger, 4m Car Power Cable, Cable clips included.

*Maximum recording resolution: Front Full HD video and Full HD for rear video (KCA-R110 is sold separately).

**Smart Parking Mode Recording requires CA-DR1130 hard wire kit (sold separately).



▼ Full HD Recording

With its 2 megapixel CMOS sensor, DRV-A310W captures Full HD video at 30fps making super-high resolution recording and replay in even greater detail, including license plate and road signs.

*By connecting the optional rear camera (KCA-R110) it is possible to record front and rear directions simultaneously, Front in 2K maximum recording resolution and rear in Full HD maximum recording resolution.



Difficult to see license plate numbers...



...are replayed in super clear images.

▼ Wide Dynamic Range (WDR) and High Dynamic Range (HDR) for Backlighting

— Reducing “Blown out Highlights” and “Crushed Blacks” —

WDR (Wide Dynamic Range) and HDR (High Dynamic Range) helps to reduce “blown out highlights” and “crushed blacks” and ensure clear images in challenging environments, including backlight scenes in daylight, street light scenes at night and places where light-dark contrast is particularly severe, such as at tunnel entrances/exits.



without WDR/HDR



with WDR/HDR

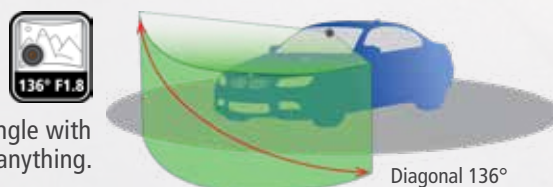
▼ 2.0 inch Full Color TFT Display.

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▼ F1.8 Lens — Ultra-Wide Viewing Angle

This camera features the F1.8 Lens, which boasts industry-leading brightness. Easily records razor-sharp videos in Full HD resolution both during the day and in low light without underexposing or overexposing the image. The camera ultra-wide viewing angle with a diagonal angle of 136° can capture information at wide ranges without missing anything. Small details are clearly visible as a result, such as the license plates of other cars.

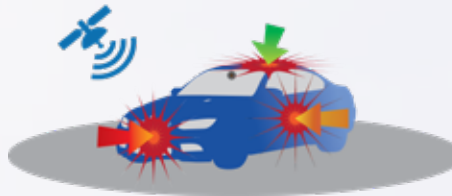


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▼ Super Capacitor

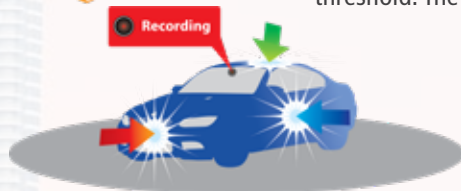
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Vibration detection mode



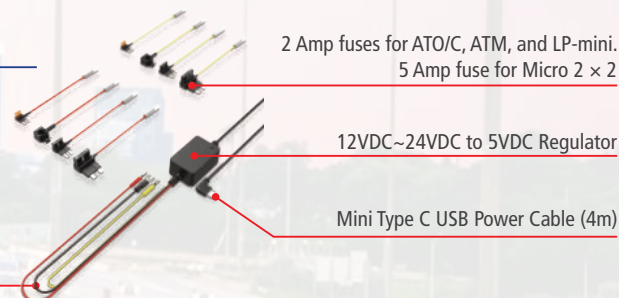
Motion detection mode



Time-Laps mode

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Hard-wire kit for DRV-A310W/DRV-A510W/DRV-A610W.

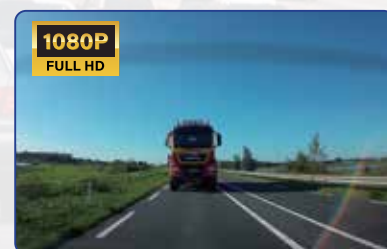


▼ Front & Rear View Recording

The DRV-A310W connects to the optional KCA-R110 Full HD rear camera, providing simultaneous recording in both the front and rear of your vehicle. When in Dual Camera Recording Mode, the maximum recording resolution is 2 Megapixel (Full HD) for the front camera and 2 Megapixel (Full HD) for the rear camera. .



Front (DRV-A310W)



Rear (KCA-R110)

▼ KCA-R110* Rear Camera

Optional Full HD rear camera for DRV-A510W and DRV-A310W. The IP67 dust & water resistant KCA-R110 rear camera includes a 8 meter cable that connects to the front dash cam, allowing it to easily be mounted to the rear windshield or anywhere else in- or outside the vehicle where you would like to record. Supports Motion detection in Parking mode. The camera can be rotated up & down 170 degree for total flexibility and provide a proper view for various angles of the rear window. The additional special double-joint bracket allows you to install the rear camera on a vertical surface, supporting various angles of installation and compatibility with various car models.



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Video Playback



Manual Recording



GPS Information with Google Maps

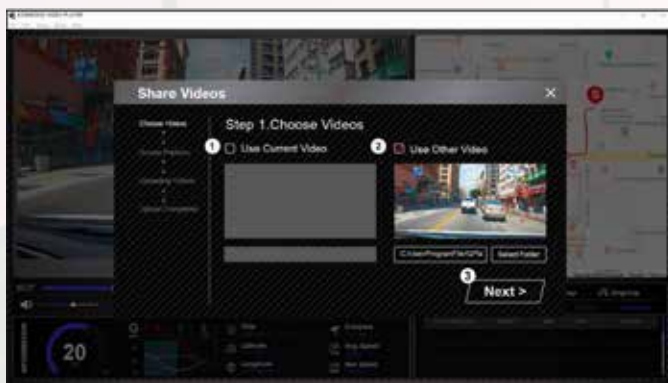


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Front sensor Resolution	2M Pixel	Picture Format:	JPEG (Max 1920 x 1080px)
Lens Angle / Aperture	136° / F1.8 Fixed focus	Wireless Link Specifications:	
Front Recording Resolution	Full HD: 1920 x 1080 pixel @ 30fps	- Standard	IEEE802.11n
Rear Recording Resolution	1920 x 1080 pixel @ 30fps (Rear camera KCA-R110 is sold separately)	- Security	WPA2
Image sensor:	1/2.8" CMOS Sensor	- Frequency Range	2400-2483MHz ISM band
Diagonal Field of view:	136°	- Transfer Rate	150Mbps (802.11n)
Screen Size:	2.0" Colour TFT LCD	- Output Power	9.46dBm±2dB (802.11n)
Screen Resolution:	320 (W) X 240 (H) pixels x RGB	GPS Frequency Range	1559-1610MHz
Screen Ratio:	4:3	Unit Dimensions:	58,5mm x 42,8mm x 24,4mm
Card Reader:	Micro-SD, SDHC, up to 256Gb	Unit Weight	65gr.
SD Card (Recommended Type):	micro SDXC/SDHC card, 8Gb ~256GB, UHS Speed Class 3 (U3)	SD Card Recorded File Capacity (Based on Default Settings of single channel (Front) recording)	32 GB Micro SD = 290 min. of recording 64 GB Micro SD = 580 min. of recording 128 GB Micro SD = 1160 min. of recording 256 GB Micro SD = 2320 min. of recording

REMARK!

The life of SD Cards is limited but it could be from 3 months to a year or more depends on usage, be sure to format the memory card once a while for optimal use. (Replace memory card when it's become unusable).



2K Quad HD IP67 Waterproof Rear Camera KCA-R210



▼ FEATURES:

- 2K Wide Quad High Definition 4 Mega-pixel (2560x1440px) Recording.
- Compatible with DRV-A610W Dashboard Camera for Dual channel, Front & Rear, Recording Mode.
 - Dual Mode Max Recording: Front DRV-A610 4K HD Recording + Rear KCA-R210 2K Quad HD Recording
- Videos are stored on SD card of front camera.
- Supports Motion Detection in Smart Parking Mode.
- High Dynamic Range (HDR): for enhancing the suppression of over-exposure under intense light.
- IP67 Dust & Waterproof protection allows you to install the camera inside or outside your car.
- The camera can be rotated up & down 170 degree to provide a proper view.
- Camera with 2.5m cable, 5.5m USB-C connection cable, Adhesive pads and Double-joint Bracket included.



Front (DRV-A610W)



Rear (KCA-R210)



Outside Installation



Rear Windshield Installation

▼ Specifications

Image sensor:	1/3" CMOS Sensor
Frame Rate	30fps
Recording Resolution	2K Wide Quad HD: 2560 x 1440 pixel (5M)
Video Format:	H.264 / MP4
Lens Aperture	F2.0 Fixed focus
Diagonal Field of view:	123.6°
Operation Voltage	5.0V DC
Current Consumption	110mA
Unit Dimensions:	50 mm x 27 mm x 32 mm
Unit Weight + cable	300gr.
Cable Length	2.5m Video Cable + 5.5m USB-C



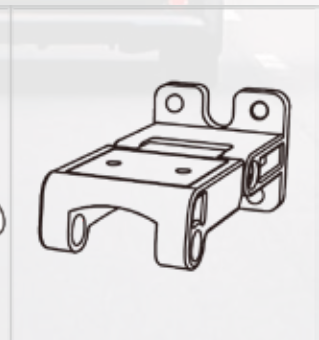
Camera with 2.5m cable



5.5m USB-C connection cable



Adhesive pads & screws



Double-joint Bracket



Full HD IP67 Waterproof Rear Camera KCA-R110

1080P
FULL HD



▼ FEATURES:

- KCA-R110 Full High Definition 2 Mega-pixel (1920x1080px) Recording.
- Compatible with DRV-A510W & DRV-A310W Dashboard Camera for Dual channel, Front & Rear, Recording Mode.
 - Dual Mode Max Recording: Front DRV-A510 Quad HD Recording + Rear KCA-R110 Full HD Recording
 - Dual Mode Max Recording: Front DRV-A310 Full HD Recording + Rear KCA-R110 Full HD Recording
- Videos are stored on SD card of front camera.
- Supports Motion Detection in Smart Parking Mode.
- High Dynamic Range (HDR): for enhancing the suppression of over-exposure under intense light.
- IP67 Dust & Waterproof protection allows you to install the camera inside or outside your car.
- The camera can be rotated up & down 170 degree to provide a proper view.
- Camera with 2.5m cable, 5.5m USB-C connection cable, Adhesive pads and Double-joint Bracket included.



Front (DRV-A510W/DRV-A310)



Rear (KCA-R110)



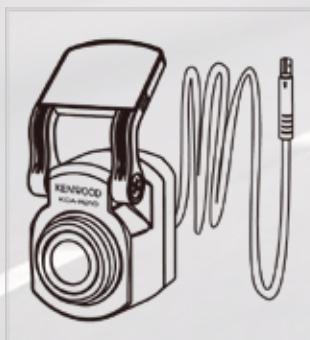
Outside Installation



Rear Windshield Installation

▼ Specifications

Image sensor:	1/2.9" CMOS Sensor
Frame Rate	30fps
Recording Resolution	Full HD: 1920 x 1080 pixel (2M)
Video Format:	H.264 / MP4
Lens Aperture	F2.0 Fixed focus
Diagonal Field of view:	131.6°
Operation Voltage	5.0V DC
Current Consumption	110mA
Unit Dimensions:	50 mm x 27 mm x 32 mm
Unit Weight + cable	300gr.
Cable Length	2.5m Video Cable + 5.5m USB-C



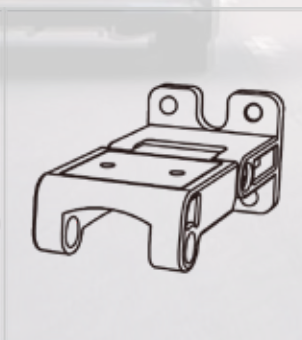
Camera with 2.5m cable



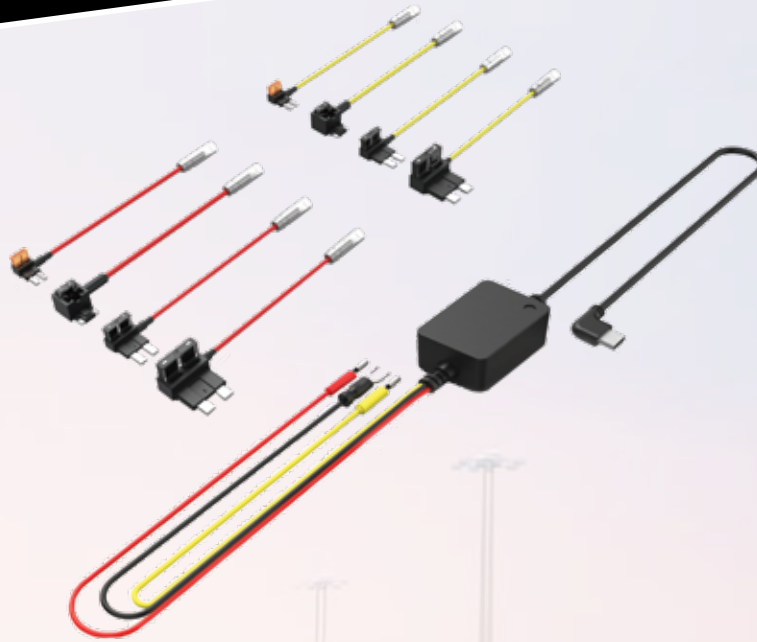
5.5m USB-C connection cable



Adhesive pads & screws



Double-joint Bracket



CA-DR1130 Hard-Wire kit for Smart Parking Mode

▼ FEATURES:

- Hard-Wire kit for Enabled Enhanced Smart Parking Surveillance Mode.
- Compatible with DRV-A610W, DRV-A510W and DRV-A310W Dashboard Camera.
- USB Adaptor with Type C USB Power Cable.
- Connects a compatible dashboard camera directly to the fuse box in the vehicle.
- Smart Parking mode is ACC power (accessory power) controlled.
- Battery Protection Circuit
 - The parked monitoring time is up to a maximum 24 hours.
 - When the car battery drops to 11.9V, it will automatically power-off to protect the car battery.
- 2 Sets of 4 types 'Add-A-Circuit' Fuse Tap with fuse included:

▼ Smart Parking Mode



Smart Parking Mode has three functions to select from : Vibration detection, Motion detection or Time-lapse. When your vehicle is parked and turned off, the Smart Parking Mode becomes active. Depending of the selected function, the dash cam will powers on when detecting a vibration of the vehicle or a motion in front of the camera and automatically records 30 seconds of video until no more vibrations or motions are detected. If the Time-lapse is on, the device will begin capturing time-lapse video until the next time the car is started or until triggered by a voltage threshold.



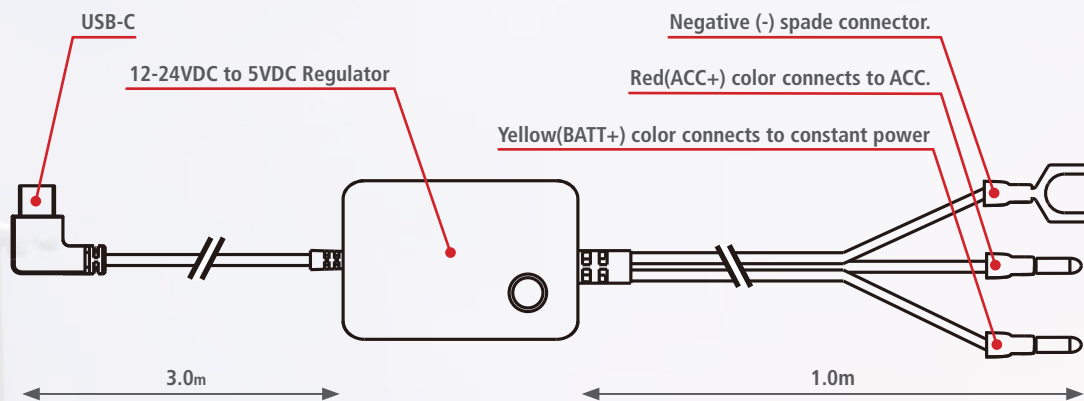
Vibration detection mode



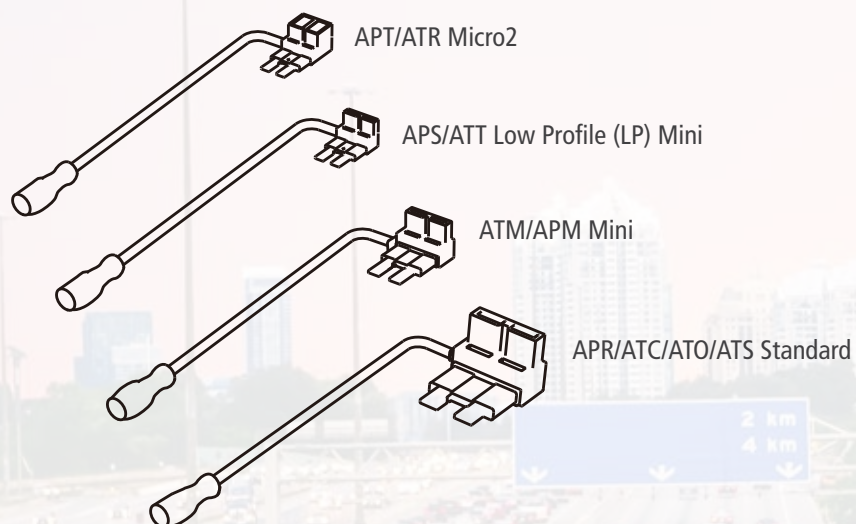
Motion detection mode



Time-Laps mode



2 Sets (Yellow: Battery & Red: ACC) of 4 types of 'Add-A-Circuit' Fuse Tap + Fuse Included



▼ Specifications

Input Voltage	12.0VDC ~24.0VDC
Output Voltage	5.0VDC 2.0A
Unit Dimensions:	50 mm x 27 mm x 32 mm
Unit Weight + cable	190gr.
Cable Length	4.0m / Type USB-C