■ WARNING & SAFETY INFORMATION

FCC Information

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.

FCC notification to users

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 when the equipment is operated in a commercial environment. 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, the user is encouraged to try to correct the interference by consulting with a dealer or an experienced technician for technical assistance.

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

WARNING & SAFETY INFORMATION

The antenna(s) used for this device must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Information

This device complies with ISED license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage ;
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
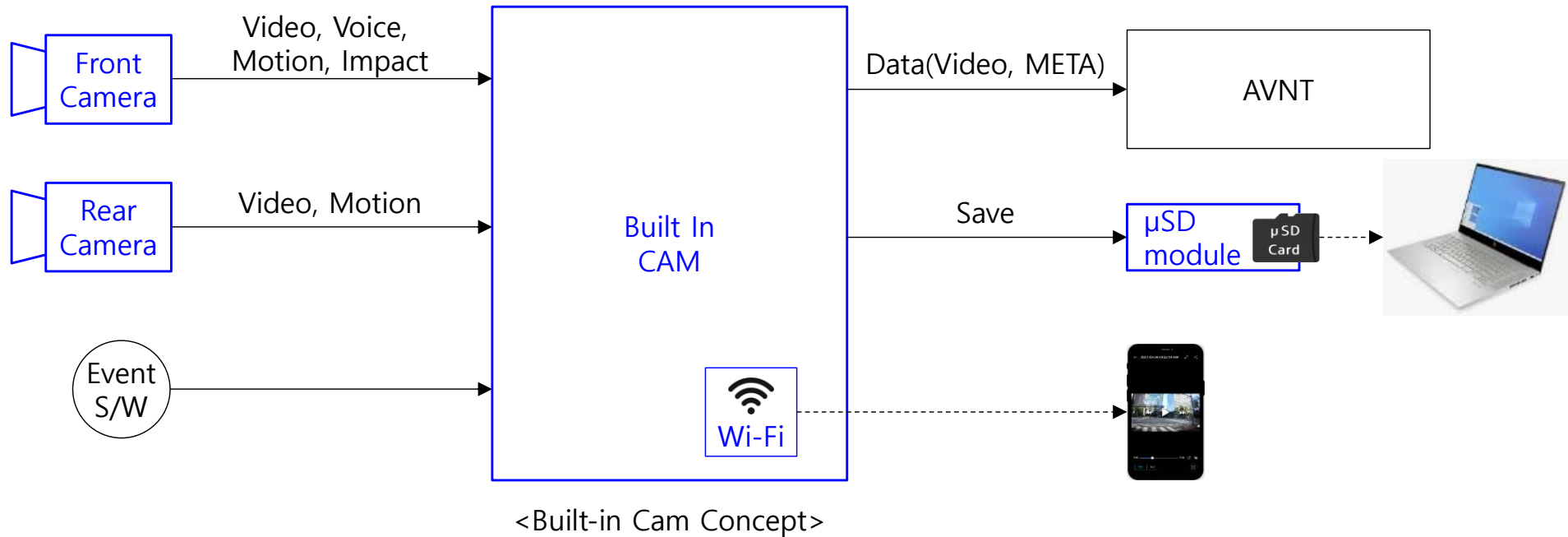
ISED Radiation Exposure Statement

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non con trôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

The devices are restricted to indoor operation only in the band 5150-5250 MHz.

◼ Built-in Cam Introduction

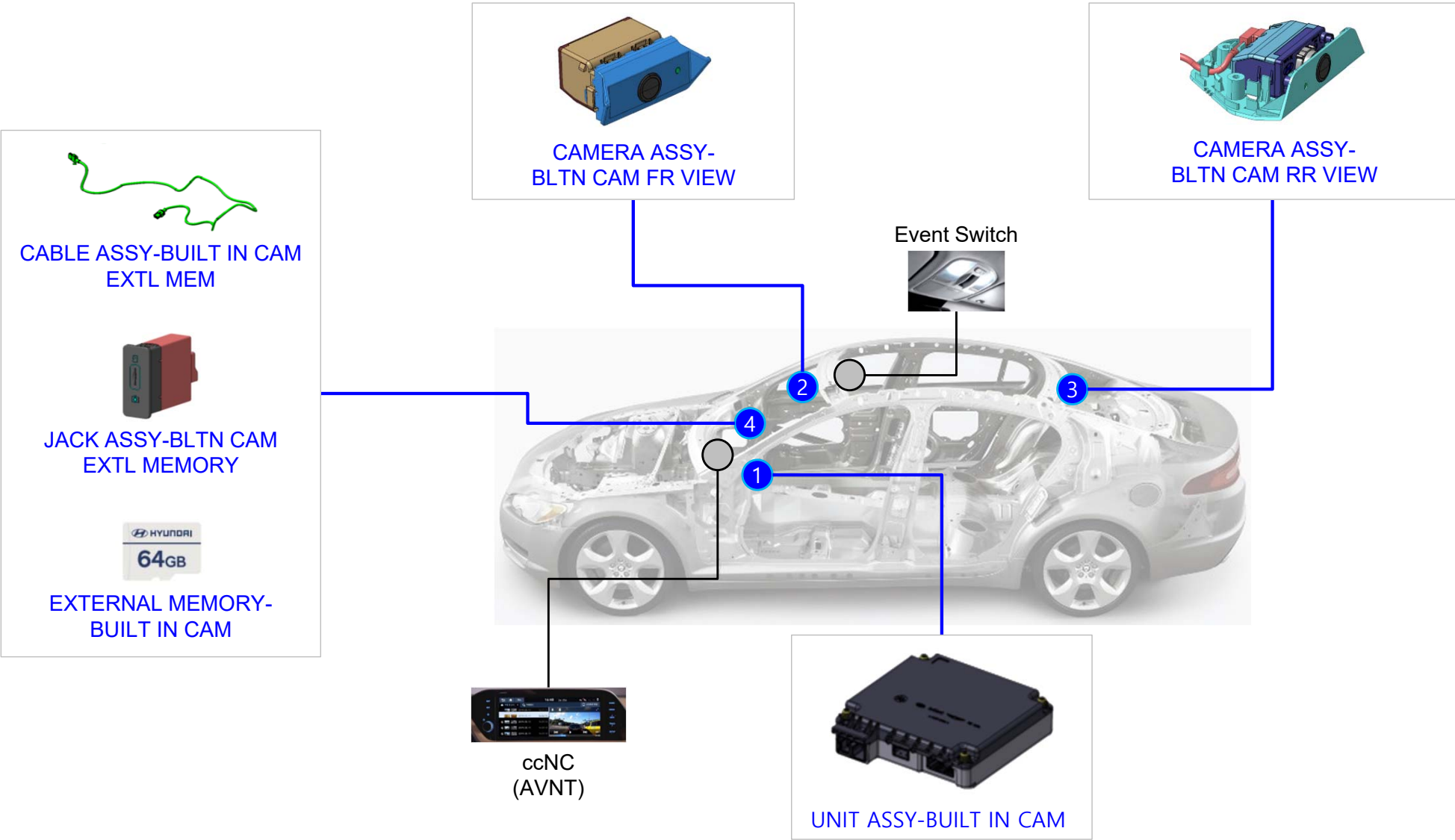|				
Front Camera	Video, Voice, Motion, Impact →	**Built In CAM**	Data(Video, META) →	**AVNT**
Rear Camera	Video, Motion →		Save →	**µSD module**
Event S/W	→	**Wi-Fi**		

<Built-in Cam Concept>

◼ Introduction

The Built-in Cam refers to an embedded black box. When the vehicle is driven or parked, front and rear views are recorded by the two cameras mounted on the front and rear of the vehicle.

◼ Main Features

1. Recording
   - Driving / Parking / Event / Time Lapse
2. Linking
   - Head Unit / Smartphone
3. CCS (Connected Car Service network)
   - Fault information notification (cluster) / Micro SD card notification / Parking event notification (count, time, impact, etc.)

■ Built-in Cam System

CAMERA ASSY-
BLTN CAM FR VIEW

CAMERA ASSY-
BLTN CAM RR VIEW

Event Switch

CABLE ASSY-BUILT IN CAM
EXTL MEM

JACK ASSY-BLTN CAM
EXTL MEMORY

HYUNDAI
64GB

EXTERNAL MEMORY-
BUILT IN CAM

ccNC
(AVNT)

UNIT ASSY-BUILT IN CAM

YR YURA

◼ Using the Built-in Cam

To view a recorded video, press Built-in Cam on the Home screen.

- To manually record a video, press ⬛ in the vehicle.

- While driving, the Built-in Cam option on the Home screen is not enabled.

- When the Built-in Cam screen is displayed, automatic recording pauses.

⚠ Warning

Video playback is limited while driving, to ensure safety.

If you play a video while driving, there is a risk of crash due to failure to pay attention to traffic ahead.

◨ Using the Built-in Cam

Configuring recording options

On the Built-in Cam screen, press ☰ ▶ Built-in Cam Settings, and activate one or more of the following recording options:

- On While Driving: Records videos while driving.
- On While Parked: Records videos while parked.
- Driving Events: Records videos when an impact is detected while driving.
- Parked Events: Records videos when an impact is detected while parked.
- Motion Detection: Records videos when a motion is detected while parked.

※ You can only choose between impact detection recording while parked or motion detection recording while parked.

Manually recording videos

Manually record videos by using the manual recording button in the vehicle, regardless of whether auto recording mode is enabled.

Use one of the following methods:

- Press the manual recording button to immediately save a video as long as the set duration. A video is not saved if the ignition is off and the auxiliary battery goes dead or the maximum recording duration while parked is exceeded after pressing the manual recording button.
- If the ignition is on and the manual recording button is pressed and held, time-lapse recording begins. If the ignition is turned off or the manual recording button is pressed and held again, time-lapse recording stops.

※ The manual recording feature is disabled when the Built-in Cam screen is displayed.

▣ Using the Built-in Cam

Viewing the Built-in Cam video

Playing automatically recorded videos

1. Press AUTO at the bottom tab of the Built-in Cam screen.

2. Select the category from the list.

3. From the preview list, select the video to play.

Playing manually recorded videos

1. Press 📷 at the bottom tab of the Built-in Cam screen.

2. Press **Manual Recordings** or **Time-lapse**.

3. From the preview list, select the video to play.

Playing a saved video

1. Press 📷 at the bottom tab of the Built-in Cam screen.

2. Press **My Videos**.

3. From the video list in the storage, select the video to play.

Viewing a realtime video

To confirm that the cameras are working normally and the camera lenses are not contaminated,

Press LIVE at the bottom tab on the Built-in Cam screen.

◼ Using the Built-in Cam

Playing recorded videos from the smartphone App

You can play videos recorded by the Built-in Cam, from your smartphone.

※ To use the service, make sure you install the Genesis Connect App on your smartphone and sign up for the Genesis

　Connect Service. Use either Google Play Store or App Store (depending on your smartphone model) to download and

　install the Genesis Connect App and sign up for the Genesis Connect Service.

1. From the bottom tab of the Built-in Cam screen, press ▢ and **Activate Wi-Fi**. After connecting your smartphone for the first time, set a password for the Wi-Fi network.

2. Select Connect Wi-Fi from the Genesis Connect App.

3. Select the Built-in Cam Wi-Fi network on the Wi-Fi settings screen of the smartphone you want to connect to, then enter the password.

　Return to the Genesis Connect App. Connection is complete.

　　※ If you connect to the Wi-Fi network for the Built-in Cam, the mobile network for the smartphone is disabled.

　　　To use the mobile network, disconnect the Wi-Fi connection.

　　※ If you close the Built-in Cam, the smartphone is automatically disconnected even if Wi-Fi is on.

4. Select the video to play from the Genesis Connect App on the smartphone.

Storing recorded videos

1. Press AUTO or ▢ at the bottom tab of the Built-in Cam screen.

2. From the preview list or the currently playing video screen, press ≡▶ **Save to My Videos**.

※ If the storage space is full, older video files are automatically deleted. To manually delete recorded videos, press and hold the Built-in Cam card, or press ⊟**Delete** or **Delete All**. If you press **Delete All**, all videos stored in the Built-in Cam are deleted.

◼ Using the Built-in Cam

Configuring Built-in Cam Settings

On the Built-in Cam screen, press ☰ ▶ Built-in Cam Settings.

Recording Options

Select the type of video to record and set the audio recording and the information to be displayed on the video.

- On While Driving: Records videos while driving. Videos are recorded at 1-minute intervals.
- Driving Events: Records videos when an impact is detected while driving.
- Parked Events: Records videos when an impact is detected while parked.
- Motion Detection: Records videos when a motion is detected while parked. You can adjust the motion detection range in three steps.
- Voice Recording: Records voice while recording video. The voice recording settings are initially OFF and must be turned ON by the user to activate.
- Display Information Stamps: Displays the information stamps in the recorded video.

Recording Time

Set the event Recording and time-lapse Recording durations.

- Event Recordings: Set the duration to record a video when an impact is detected while driving or parked.
- Time-lapse Recording Length and Interval: Set the interval in seconds and how many minutes to record a time-lapse video.

Configuring Built-in Cam Settings

Event Detection Sensitivity

Set the sensitivity to detect event while driving and parking.

Display Settings

Set the height angle of the front and rear recordings.

App Connection

This feature will be activated by OTA in the future.

Set the settings to connect with the smartphone App and whether to provide a notification when an event occurs while parking.

- Activate Built-in Cam Wi-Fi: Activates Built-in Cam Wi-Fi for smartphone connection.
- Wi-Fi Password: Set a Wi-Fi password to connect to a smartphone. This password should be entered when connecting the smartphone to the Wi-Fi.
- Change Wi-Fi Password: Change the set Wi-Fi password for smartphone connection. Enter the changed password when connecting the smartphone to the Wi-Fi.
- Parked Events Notification: Sends notifications to your mobile phone when an impact is detected while parked. Notifications are provided up to five times while parked.

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Configuring Built-in Cam Settings

SD Memory

Check SD memory status and location, set disconnection and reset of SD memory.

- SD Memory Status: Enable to check the SD card status.
- SD Memory Slot Location: Check the SD memory card slot location.
- Disconnect SD Memory: Press the Disconnect button and remove the SD care safely. If the SD card is not safely removed, the saved files and the file system on the card may get damaged.
- Reset SD Memory: Delete all recorded videos and reset the SD memory.

◼ Using the Built-in Cam

Model name

BLTN_CAM2.5_LX3, BLTN_CAM2.5_NH2

RF Specification

Operating Frequency

- 2.4G WLAN: 2 412 MHz ~ 2 472 MHz

- 5G WLAN UNII-1: 5 180 MHz ~ 5 240 MHz

                                         5 190 MHz ~ 5 230 MHz

                                         5 210 MHz

Max Target Power

- 2.4G WLAN: 20 dBm

- 5G WLAN UNII-1: 6 dBm