

# e-Cockpit System

To build up Human Machine Interface with Intuitive User Experience.



## 1 Instrument Cluster

- QNX/Linux
- Customized HMI
- Dedicated MCU for system power / Safety management

## 2 Driving Assist \*

- Surround View Monitoring
- Parking Assist
- E-Mirror
- Car Recorder/DMS

## 3 Center Infotainment System

- Android OS
- Radio/Audio
- GPS with DR
- WiFi/BT
- Vehicle trip data
- Embedded Modem
- OTA
- Mobile link technology \*
- Seat/Vehicle comfort control
- HVAC/vehicle control
- Barge-in Voice Assistant \*
- Multi-Finger Gesture control
- Cloud Connectivity
- In-vehicle network(CAN/Ethernet)

## 4 Passenger Entertainment System

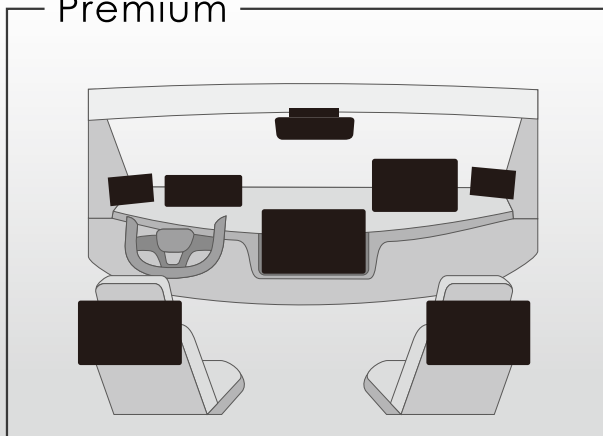
- Android OS
- Radio / Audio / Video media player
- GPS with DR
- Wifi / BT / USB
- Vehicle trip data
- Seat/Vehicle comfort control
- HVAC control
- Barge-in Voice Assistant \*
- Cloud Connectivity



# e-Cockpit System

	Premium	Entry/Mid
<b>SOC</b>	QAM 8295PS	QAM 8295PS
<b>Software</b>	QNX, Android	QNX, Android
<b>Memory</b>	32G LPDDR4	16G LPDDR4
<b>Storage</b>	256 GB UFS 3.1	128 GB UFS 3.1
<b>Audio interface</b>	4x Analog Mic input 2X Line in A2B interface (Digital MIC/AMP input/output)	2x Analog Mic input 2x Line in A2B interface (Digital MIC/AMP input/output)
<b>Display</b>	8X GMSL2 serializer outputs (8 Displays) Resolution: 2K x5, HD x2, FHD x1	4x GMSL2 serializer outputs (4 Display) Resolution: 2K
<b>Camera</b>	12x GMSL2 cameras (2MP/60fps) inputs via triple GMSL2 to CSI De-serializer	8x GMSL2 cameras (2MP/60fps) inputs via dual GMSL2 to CSI De-serializer
<b>Vehicle interface</b>	1x 1000Base-T1 2x 100Base-T1 4x CAN FD 2x LIN	1x 1000Base -T1 1x 100Base-T1 4x CAN FD 2x LIN
<b>I/O Interfaces</b>	1x USB 3.1 Type A 2x USB 3.1 Type C 2x Mini Display port 1x SlimSASPCle 1x Mini HDMI Receiver	2x USB 3.1 Type C
<b>Feature</b>	<b>Cluster:</b> Customized HMI <b>IVI:</b> Radio/Audio GPS WiFi6/BT 5.2 OTA CarPlay/Android Auto HVAC Voice Command Driver Monitoring/SVM E-mirror Car Recorder/DMS	<b>Cluster:</b> Customized HMI <b>IVI:</b> Radio/Audio GPS WiFi6/BT 5.2 OTA CarPlay/Android Auto HVAC Voice Command
<b>Power supply</b>	Typical 12V DC, 6V to 20V DC	Typical 12V DC, 6V to 20V DC

Premium



Entry / Mid

