

電子コックピットシステム



1 インstrumentクラスタ

- QNX/Linux OS
- カスタマイズされたHMI
- システム電源/安全管理専用MCU

2 運転支援

- サラウンドビューモニタリング
- 駐車支援
- 電子ミラー
- ドライブレコーダー/DMS

3 センターインフォテインメントシステム

- Android OS
- ラジオ/オーディオ
- GPS (DR機能付き)
- Wi-Fi/Bluetooth
- 車両走行データ
- 組み込みモデム
- OTA
- モバイルリンク技術*
- シート/車両快適性制御
- HVAC/車両制御
- 音声アシスタント*
- クラウド接続
- 車載ネットワーク (CAN/車載Ethernet)

4 パッセンジャーエンターテインメントシステム

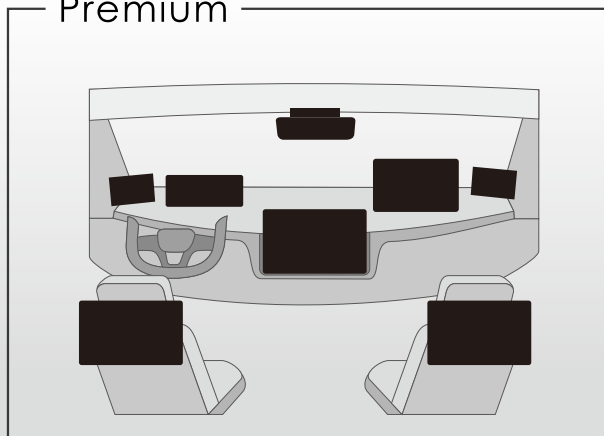
- Android OS
- ラジオ/オーディオ/ビデオメディアプレーヤー
- GPS (DR機能付き)
- Wi-Fi/Bluetooth/USB
- 車両走行データ
- シート/車両快適性制御
- HVAC制御
- 音声アシスタント*
- クラウド接続



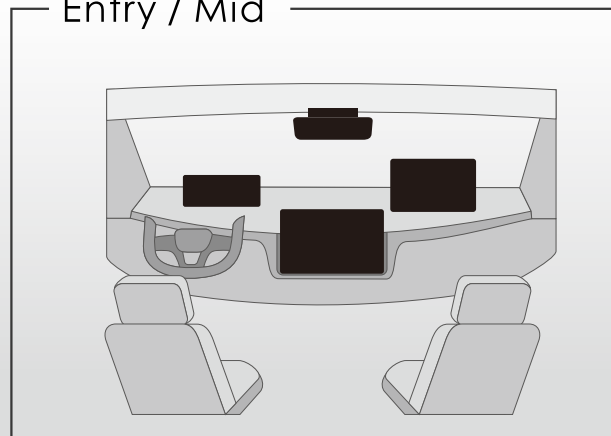
電子コックピットシステム

	Premium	Entry/Mid
SOC	QAM 8295PS	QAM 8295PS
Software	QNX, Android	QNX, Android
Memory	32G LPDDR4	16G LPDDR4
Storage	256 GB UFS 3.1	128 GB UFS 3.1
Audio interface	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)
Display	8X GMSL2 serializer outputs (8 Displays) Resolution: 2K x5, HD x2, FHD x1	4x GMSL2 serializer outputs (4 Display) Resolution: 2K
Camera	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
Vehicle interface	1x 1000Base-T1 2x 100Base-T1 4x CAN FD 2x LIN	1x 1000Base-T1 1x 100Base-T1 4x CAN FD 2x LIN
I/O Interfaces	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
Feature	Cluster: Customized HMI IVI: Radio/Audio GPS WiFi6/BT 5.2 OTA CarPlay/Android Auto HVAC Voice Command Driver Monitoring/SVM E-mirror Car Recorder/DMS	Cluster: Customized HMI IVI: Radio/Audio GPS WiFi6/BT 5.2 OTA CarPlay/Android Auto HVAC Voice Command
Power supply	Typical 12V DC, 6V to 20V DC	Typical 12V DC, 6V to 20V DC

Premium



Entry / Mid



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

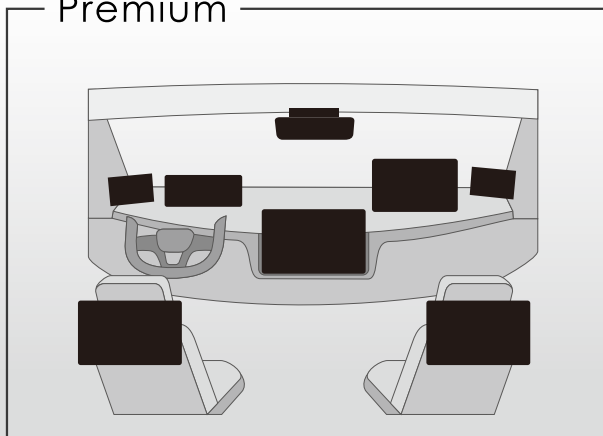
- Android OS
- Radio / Audio / Video media player
- GPS with DR
- Wifi / BT / USB
- Vehicle trip data
- Seat/Vehicle comfort control
- HVAC control
- Barge-in Voice Assistant *
- Cloud Connectivity



e-Cockpit System

	Premium	Entry/Mid
SOC	QAM 8295PS	QAM 8295PS
Software	QNX, Android	QNX, Android
Memory	32G LPDDR4	16G LPDDR4
Storage	256 GB UFS 3.1	128 GB UFS 3.1
Audio interface	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)
Display	8X GMSL2 serializer outputs (8 Displays) Resolution: 2K x5, HD x2, FHD x1	4x GMSL2 serializer outputs (4 Display) Resolution: 2K
Camera	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
Vehicle interface	1x 1000Base-T1 2x 100Base-T1 4x CAN FD 2x LIN	1x 1000Base -T1 1x 100Base-T1 4x CAN FD 2x LIN
I/O Interfaces	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
Feature	Cluster: Customized HMI IVI: Radio/Audio GPS WiFi6/BT 5.2 OTA CarPlay/Android Auto HVAC Voice Command Driver Monitoring/SVM E-mirror Car Recorder/DMS	Cluster: Customized HMI IVI: Radio/Audio GPS WiFi6/BT 5.2 OTA CarPlay/Android Auto HVAC Voice Command
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Premium



Entry / Mid

