

# AGL Instrument Cluster Features Requirements

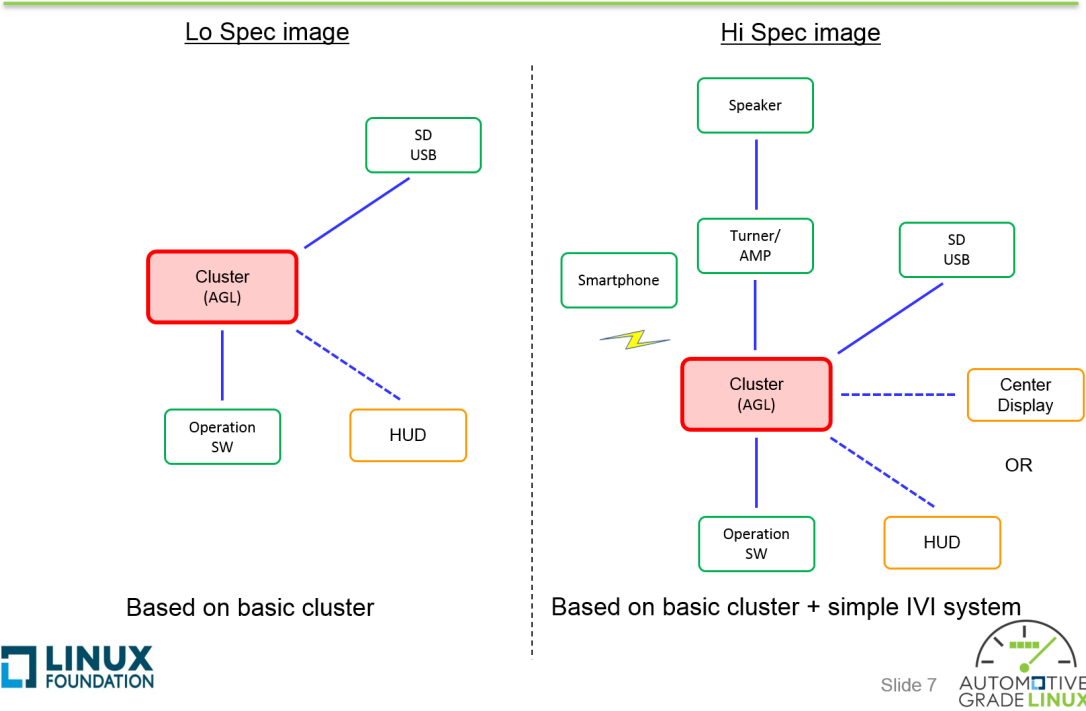
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## Related documents

Role	Document
General specifications	
Related specifications	

## Mock-up / Screenshots

### Product image for Hi and Lo grade image



## Features list

Functional Classification	Function	Description	Hi grade	Lo grade	Link to AGL Spec	Comment
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Basic function	CAN				
	Diag	Save logs of self-diagnosis and failure information		Diagnostic Service	
	SDL/CarPlay /Android Auto	Connect to smartphone application and operate		Smartphone Link	
	Bluetooth	Connect to smartphone via Bluetooth		Bluetooth	
	Wi-Fi	Internet access via Wi-Fi		Wi-Fi	
	SOTA/FOTA	Remote software updates via Wi-Fi			
	Toolkit	GUI toolkit (Qt is in common use for AGL)			
	HomeScreen	Display home screen to select application		Homescreen	
	USB	Device support for USB, for example Multimedia use			
	SD card	Device support for SD card, for example Multimedia use			
	Ethernet	Device support for Ethernet, for example image data transmission and OTA use			
Camera	Camera	Display camera image for back monitor and around view monitor		Camera Service	
Navigation	Navigation(Native)	Built-in navigation (stand-alone navigation)		Navigation Service	
	VICS	Vehicle information and communication system	()		Japanese market only
Multimedia	Amplifier	Implement Amplifier function by internal or external process			Outside of system
	Radio	Play AM/FM radio and display radio information		Tuner Service	
	Music	Play music obtained from smartphone via SD/USB socket or SDL		Multimedia Service	
	TV	Display TV pictures obtained from ISDB-T tuner		Tuner Service	Japanese market only
	Movie	Play H.264 video obtained from smartphone via SD/USB socket or SDL		Multimedia Service	
	Multimedia Apps	Entertainment function, for example play Youtube video and web browsing service		Multimedia Service	
Microphone	Telephony	Hands-free telephone		Telephony Service	
	Voice Recognition	Recognize voice command via microphone			
User customization	User Profile	Save personal setting and reflect, for example homescreen theme and GUI			
	Cloud	Save and get personal data on cloud server			
Cluster	Display size(4.2 inch)				
	Display size(5inch)				
	Display size(7inch)				
	Display size(10.25 inch)				
	Display size(12.3 inch)				
	HUD output	Image data sharing for meter cluster and HUD display			
	Alarm	Dedicated buzzer(speaker) for meter cluster alarm			
	Analog gauge	Display fuel, water-temperature, speed and tachometer, and etc.using analog gauge			

Necessity

(Blank)Unnecessity

-Neither

## Requirements

Requirement	Description	Related requirements
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Questions, Out of scope, ...