Symbio Elysian

Industrial-proven Solution For Forward-thinking Automotive Manufacturing Professionals

One Platform for Multiple Car Models

Symbio Elysian is an infotainment solution built using industry proven components on top of embedded Linux operating system. Over-the-air software updates and precertified software components support fluent future upgrades.

Quick, Cost-Efficient and Easy to Modify

OEM specific applications and user experience customizations are enabled by quick and cost-efficient design and modular architecture. Elysian allows changes and modifications to be deployed directly from designer tools to target hardware.

Top-End Features at Accessible Price

Elysian is loaded with features such as tuner functions for all radio systems globally, media player functionality, sound effects, rear-view-camera support, vehicle control functions, Bluetooth connectivity, hands-free phone management and optional navigation.

Integrated, Versatile Implementations

High performance and precertified implementations of all smartphone replication standards including Apple CarPlay, Android Auto, Baidu CarLife and Smart Device Link are integrated as part of Elysian stack. Android Auto Wireless and CarPlay-over-wireless are also supported.

Apple CarPlay   androidauto   smart device link

Modifications & Modern Payment

- Remote device management enabled over-the-air software updates either through dedicated modem or through car owners cell phone.

- Possibility to create subscriptions or micropayment services for end customer. Such as, new user interface themes for car owners.

- With help of Qt, new features and functionalities can be rapidly developed to exceed your expectations.

- Layout based UI makes support of new aspect ratios, resolutions and orientations easy.
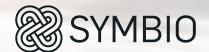
Lower Total Cost with Professional Delivery

- Modern component based modular architecture and high configurability allow minimizing of system resource requirements and savings in hardware cost.

- Continuous Integration and Test Automation methods during development and integration safeguard system integrity from regression.

- Over-the-air updates, high maintainability and community improvements enhance cyber security.

Timely Delivery and Support

- Elysian is tailored for every customer need and turn-key-delivered with full engineering support of Symbio's global delivery capability.

- System wide use of industry standard APIs and modular architecture accelerates integration.

Long Term Support and Maintenance

- Our customers are supported through the entire life cycle of the product (bug fixes, new features, etc.)

- With Symbio's global presence our customers are provided with support services virtually anywhere in the world.

SYMBIO

All our global resources are geared to help you to keep your Start of Production schedule. Elysian architecture is equivalent to industry-proven, modern architecture systems used in challenging environments such as heavy industry and cyber security.

Features of Symbio Elysian

Display	Resolution	WVGA/HD/UHD	**Tuner**	AM/FM	
	Color	24bit		FM-RDS	
	Display adjustments	Brightness/Contrast/Tone/ Color/Gamma curve		DAB	
	TFT interface	RGB888/LVDS		DRM	
	Rear-Seat Display	Cinemo Distributed Playback™		HD Radio	
Touch	Capasitive/Resistive		**USB**	Audio	MP3/WMA/AAC/WAV/FLAC
	Features	Multitouch pinch/drag/ swipe/flick/drag		Video	H.264/H.263/MPEG-1/MPEG-2/MPEG-4/WMV/DivX
Internation- alization	Supported scripts: *			Photo	JPEG/BMP/TIF/PNG
				File system	FAT32/16
HMI	Wallpapers	Full wallpaper support	**Sound**	Bass/Tre/Mid	
	Back screen design	Fully customizable layouts		Sound Effect	Surround, Bass boost, etc
	Icon design	Full vector icon support		AutoVolume Control	
	Font engine	FreeType 2		Loudness	
	Font formats	**		Fix EQ, balance, fader etc.	
Wifi	IEEE802.11(b/g/n/ac) Miracast		**Voice Recognition**	In-device	Voice commands, voice tags
Location info	GNSS Receiver	GPS/GLONASS/BeiDou/ Galileio/QZSS	**Smartphone Replication**	Apple CarPlay	Wired Wireless
	Gyro			Google Android Auto	Wired Wireless
	Dead Reckoning			Baidu CarLife	
	Differential Wheel Pulse			SDL	
Navi	Integrated navigation solution option			Mirrorlink	
				Abalta WebLink®	
Android	MTP AOA		**System and Security**	Software Update (OTA) Remote device management Security updates	
iOS	iAP1 iAP2				

*   Chinese, Japanese, Korean, all Latin scripts, Arabic, Cyrillic, Greek, Hebrew, Thai and Lao, Bengali, Burmese, Devanagari, Gujarati, Gurmukhi, Kannada, Khmer, Malayalam, Tamil, Telugu, Tibetan

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