



SUNPLUS

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凌陽科技股份有限公司

2024 Q3 財務報告

莊濟安

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Make difference

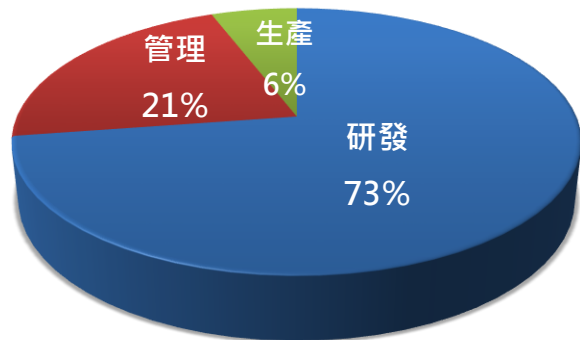
集團企業

	專業	持股比	股票代號
	凌陽科技股份有限公司 (592m shares) 數位影音娛樂多媒體系統單晶片設計與矽智財設計	100%	TWSE#2401
	凌通科技股份有限公司 (109m shares) 語音、LCD、數位影像處理與MCU晶片設計	48%	TWSE#4952
	凌陽創新科技股份有限公司 (58m shares) 網路攝影機、影像信號處理控制與人機介面控制晶片設計	57%	TWSE#5236
	景相科技股份有限公司 (24m shares) 車用微控制器與USB儲存ASIC	100%	

* Based on 2024/9/30 Consolidated-holding by Sunplus

人力結構

集團人力

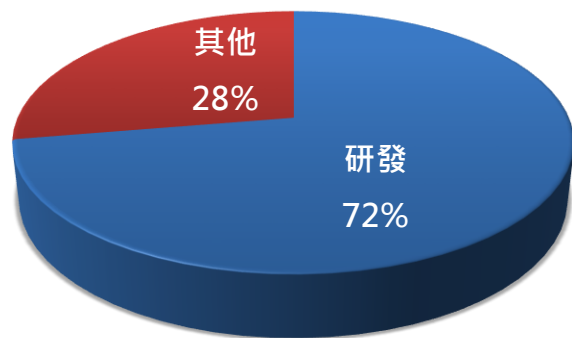


集團員工人數 / 研發人員

1,046 / 760

42%碩士以上

凌陽科技人力



凌陽科技員工人數 / 研發人員

322 / 233

65%碩士以上

* Data by 2024/9/30

Q1~3 合併綜合損益表

(新台幣佰萬元)	2024 Q1~3		2023 Q1~3		年同比	備註
營業收入淨額	4,921	100%	4,157	100%	18%	S+44%、G+19%、IT+10%
營業成本	2,519	51%	2,213	53%	14%	
營業毛利	2,402	49%	1,944	47%	24%	存貨跌價損失下降
研究發展費用	1,536	31%	1,561	38%	(2%)	
銷售管理費用	649	13%	525	13%	24%	
營業淨利	218	4%	(142)	(3%)	(253%)	
營業外收入及支出	417	8%	219	5%	91%	2024處分芯鼎持股
本期淨利	527	11%	(17)	(0%)	(3219%)	
其他綜合損益	38	1%	58	1%	(34%)	
本期綜合損益總額	565	11%	41	1%	1266%	
淨利歸屬於：						
本公司業主	243	5%	(228)	(5%)	(207%)	
非控制權益	283	6%	211	5%	34%	
每股盈餘 (元)	0.41		(0.39)			

** EPS based on outstanding 591,994,919 shares on 2024/9/30

第三季 合併綜合損益表

(新台幣佰萬元)	2024 3Q		2024 2Q		季同比	2023 3Q		年同比	備註
營業收入淨額	1,787	100%	1,788	100%	(0%)	1,546	100%	16%	QoQ : S-2%、G-17%、IT+35% YoY : S+42%、G+12%、IT+15%
營業成本	912	51%	919	51%	(1%)	835	54%	9%	
營業毛利	874	49%	869	49%	1%	710	46%	23%	2023 3Q : 存貨跌價損失
研究發展費用	540	30%	509	28%	6%	545	35%	(1%)	2024 3Q : 光罩支出
銷售管理費用	198	11%	282	16%	(30%)	177	11%	12%	2024 2Q : 權利金
營業淨利	136	8%	78	4%	74%	(12)	(1%)	(1246%)	
營業外收入及支出	24	1%	37	2%	(35%)	100	6%	(76%)	
本期淨利	102	6%	112	6%	(9%)	34	2%	201%	
其他綜合損益	3	0%	55	3%	(95%)	61	4%	(95%)	
本期綜合損益總額	105	6%	167	9%	(37%)	95	6%	10%	
淨利歸屬於：									
本公司業主	9	1%	3	0%	232%	(53)	(3%)	(117%)	
非控制權益	93	5%	110	6%	(15%)	87	6%	7%	
每股盈餘 (元)	0.02		0.01			(0.09)			

** EPS based on outstanding 591,994,919 shares on 2024/9/30

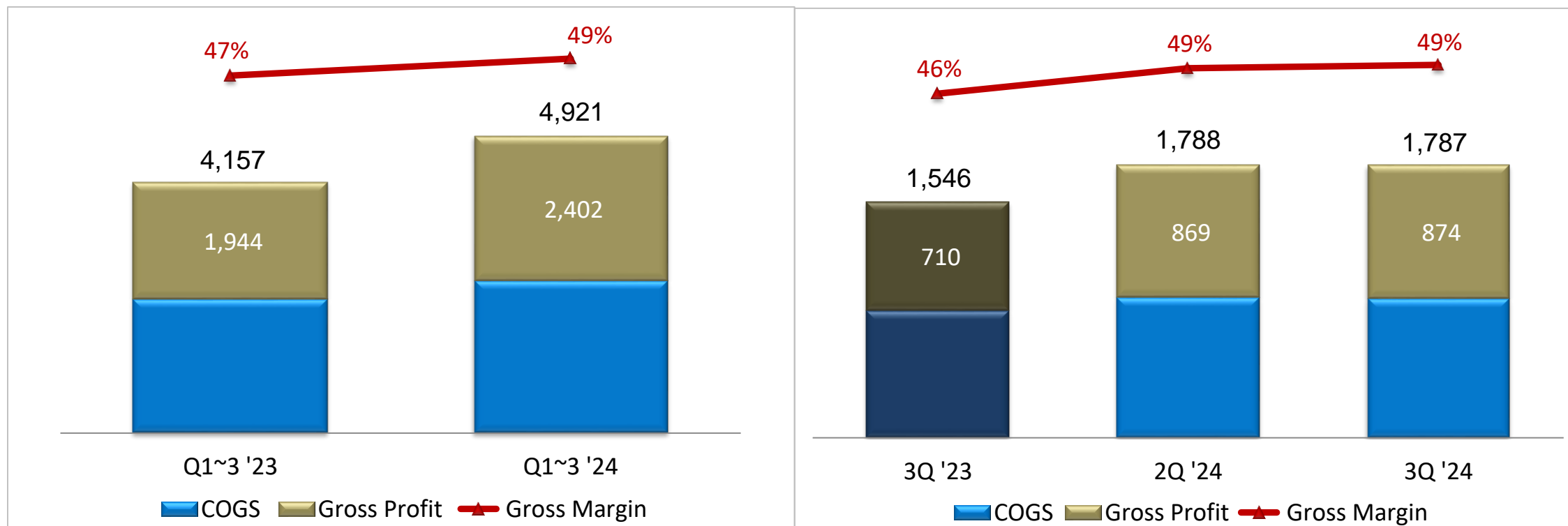
合併營收與毛利

NT\$ million

← 毛利年同比: +24% →

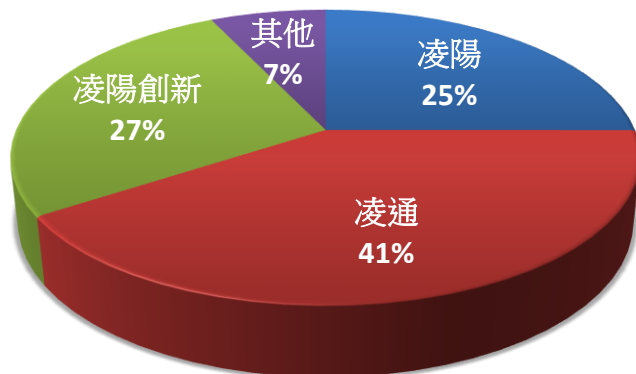
← 毛利年同比: +23% →

← 毛利季同比: +1% →

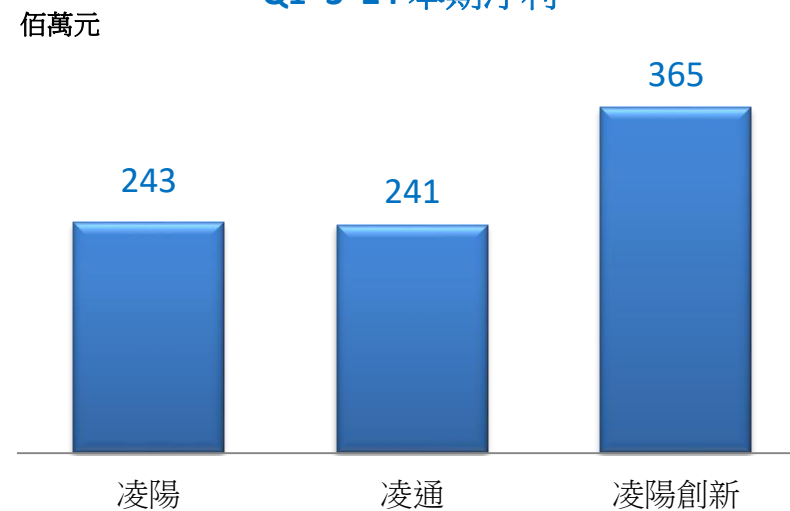


子公司貢獻

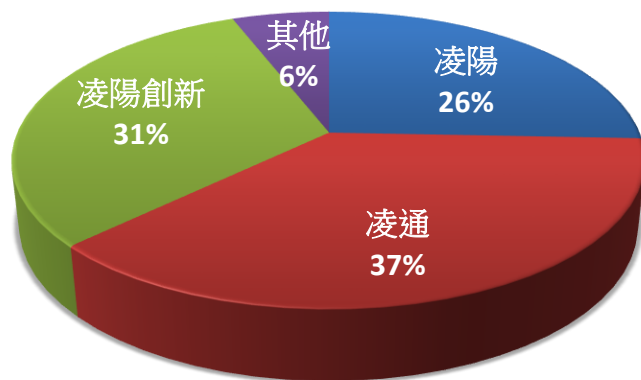
Q1~3 '24 營收淨額：4,921 MNT\$



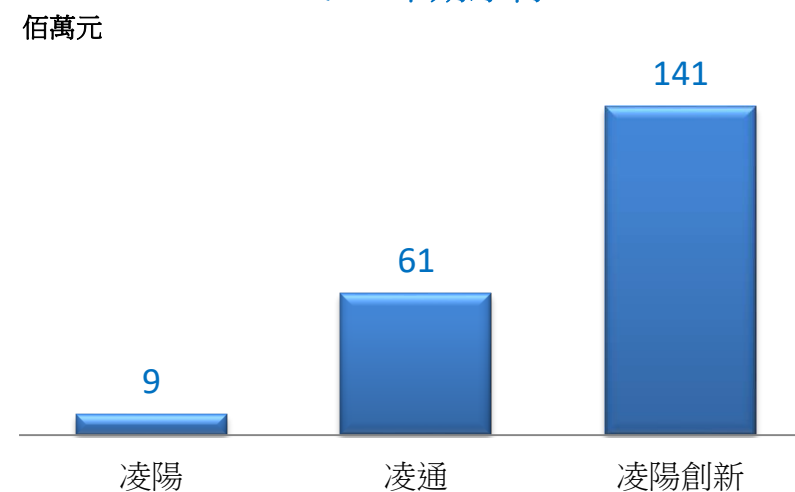
Q1~3 '24 本期淨利



3Q '24 營收淨額：1,787 MNT\$



3Q '24 本期淨利



合併資產負債表

(新台幣佰萬元)	2024 3Q	2024 2Q	季同比	2023 3Q	年同比	備註
資產總計	14,507	14,776	(2%)	14,198	2%	
現金及約當現金	4,651	4,753	(2%)	4,061	15%	} G+、IT發放股利
透過損益按公允價值衡量之金融資產-流動	999	1,326	(25%)	884	13%	
存貨淨額	1,178	1,214	(3%)	1,607	(27%)	
採用權益法之投資	760	779	(2%)	954	(20%)	YoY：芯鼎持股減少
透過損益按公允價值衡量之金融資產-非流動	1,587	1,638	(3%)	1,649	(4%)	
負債合計	3,404	3,783	(10%)	3,224	6%	
短期借款	235	197	19%	0		
應付票據及帳款	447	596	(25%)	373	20%	
其他流動負債	832	1,119	(26%)	884	(6%)	2Q 發放股利
本公司業主權益合計	8,736	8,725	0%	8,715	0%	
股東權益報酬率 %	4.74%	3.86%		(0.15%)		
每股淨值 (元)	14.85	14.83		14.81		

現金流量表

(新台幣佰萬元)	2024 Q1~3	2023 Q1~3	年同比	備註
營業活動之現金流入(出)	315	796	(60%)	2023：庫存去化多 處分芯鼎持股 股利發放金額減少
投資活動之現金流入(出)	253	(491)	(152%)	
融資活動之現金流入(出)	(16)	(685)	(98%)	
現金淨增加(減少)數	560	(366)	(253%)	
期末現金及約當現金餘額	4,651	4,061	15%	
透過損益按公允價值衡量之 金融資產-流動	999	884	13%	
可動用金額總數	5,650	4,945	14%	

(新台幣佰萬元)	2024 3Q	2024 2Q	季同比	2023 3Q	年同比	備註
營業活動之現金流入(出)	(166)	370	(145%)	529	(131%)	G+,IT備貨·2Q去化庫存 3Q賣基金 QoQ：3Q發股利 YoY：2023股利發放金額高
投資活動之現金流入(出)	243	(64)	(477%)	666	(64%)	
融資活動之現金流入(出)	(165)	18	(1011%)	(1,040)	(84%)	
現金淨增加(減少)數	(102)	330	(131%)	167	(161%)	
期末現金及約當現金餘額	4,651	4,753	(2%)	4,061	15%	
透過損益按公允價值衡量 之金融資產-流動	999	1,326	(25%)	884	13%	
可動用金額總數	5,650	6,079	(7%)	4,945	14%	

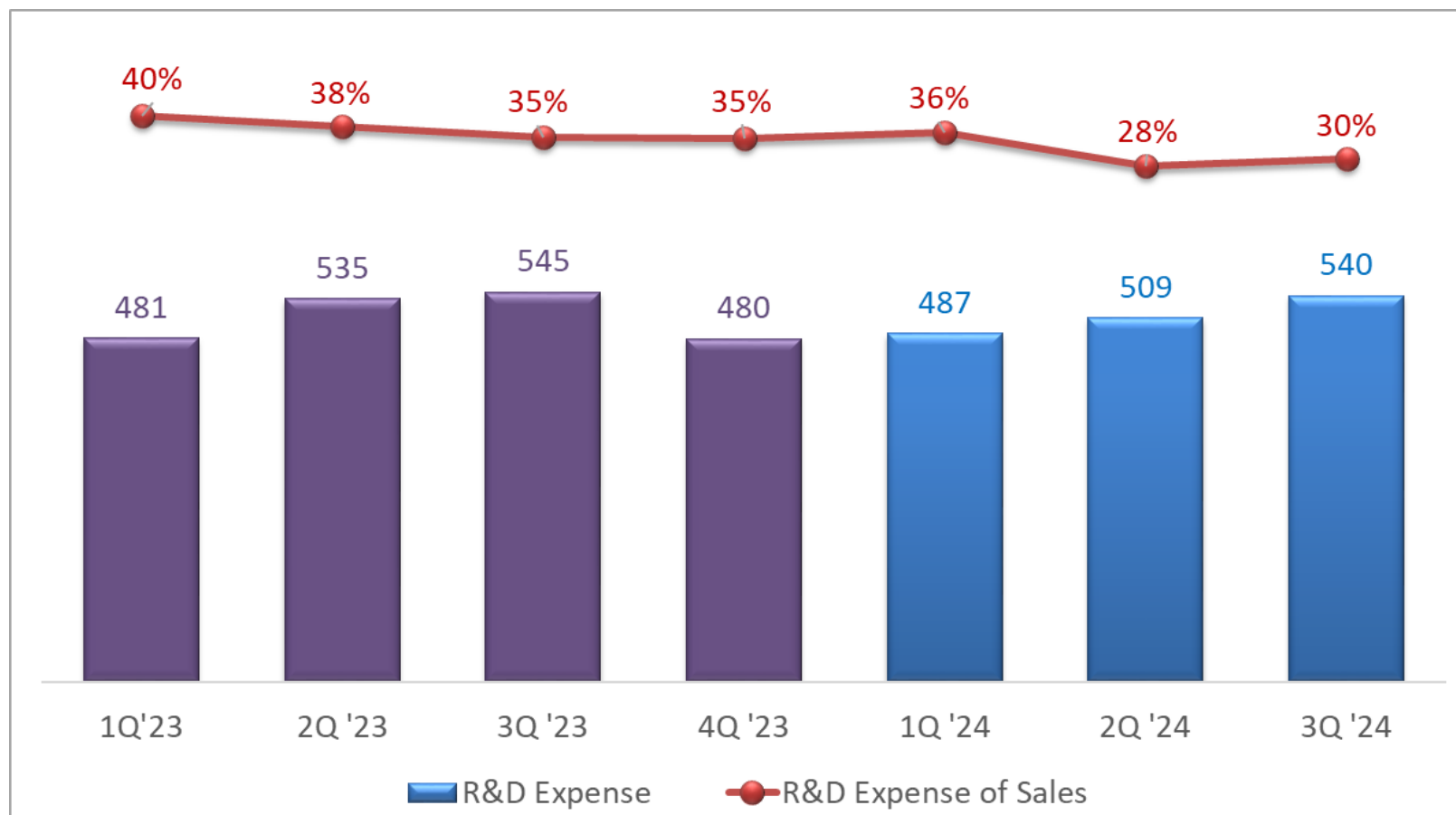
營業外收入及支出

(新台幣佰萬元)	2024 Q1~3	2023 Q1~3	年同比	備註
其他收入	89	76	16%	
外幣兌換淨利益(損失)	32	55	(42%)	
透過損益按公允價值衡量之金融資產利益	(22)	87	(125%)	持有股權股價變動
採用權益法認列之關聯企業損益份額	(30)	(36)	(17%)	
處分權益法之投資利益	320	0		2024 Q1 處分芯鼎持股
營業外收入及支出合計	417	219	91%	

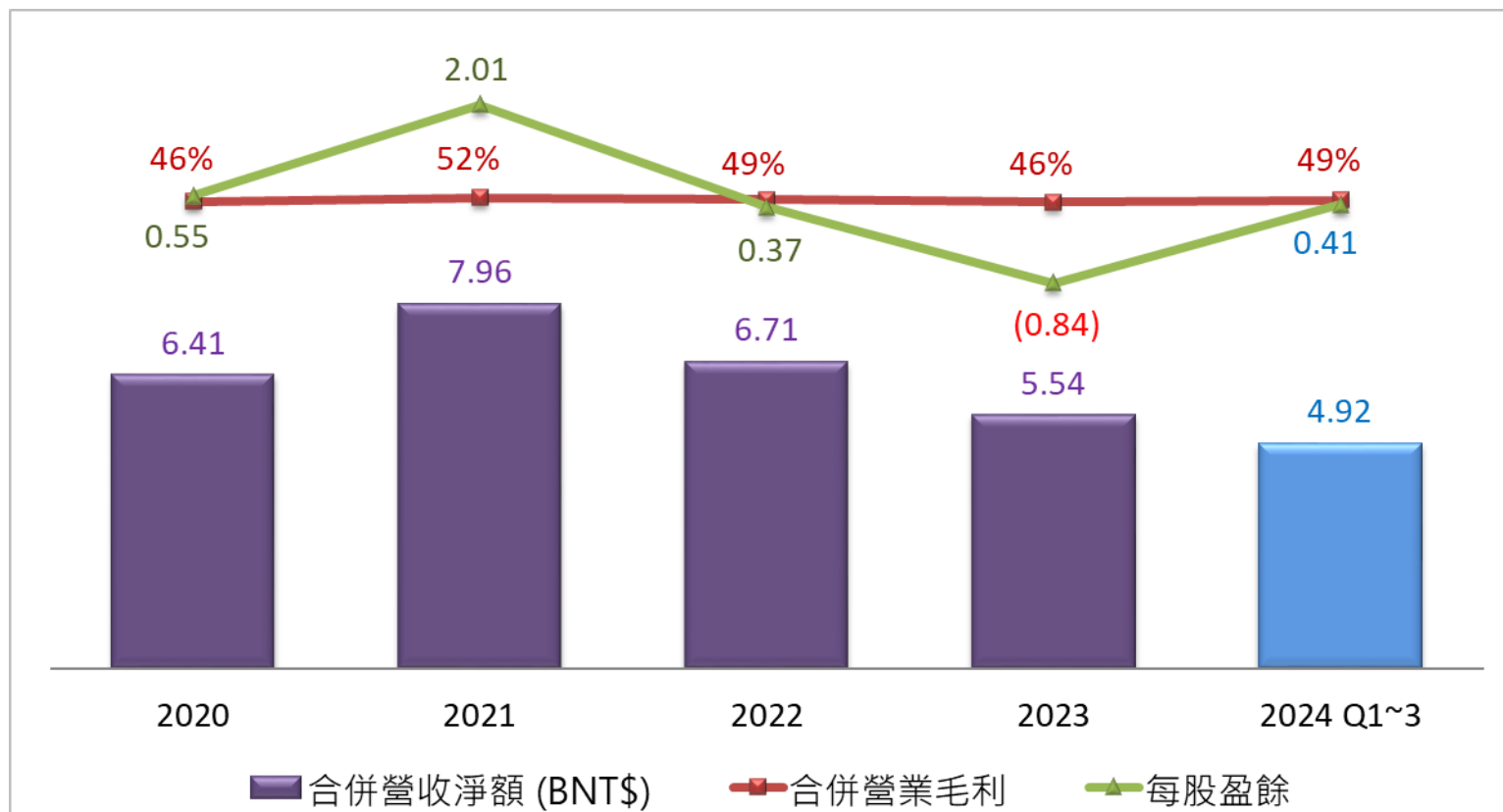
(新台幣佰萬元)	2024 3Q	2024 2Q	季同比	2023 3Q	年同比	備註
其他收入	39	20	93%	45	(13%)	QoQ：收到股利
外幣兌換淨利益(損失)	(14)	13	(210%)	47	(129%)	
透過損益按公允價值衡量之金融資產利益	(12)	1	(1558%)	(12)	2%	持股之股價、淨值變動
採用權益法認列之關聯企業損益份額	(9)	(16)	(41%)	(4)	115%	
處分權益法之投資利益	10	9	12%	0		
營業外收入及支出合計	24	37	(35%)	100	(76%)	

研發費用與佔營收比 (合併)

NT\$ million



財務概況



凌陽產品組合

Automotive

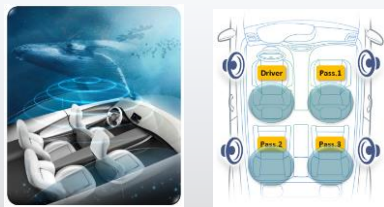
Cockpit Electronics



Automated Driving



In-cabin Acoustics



Audio

Speaker Out



Wireless Connection



Speech In



Plus 1

C1



C3



DVD



Automotive

Inside and Around the Cockpit



Cockpit Electronics

IVI
Display Audio
Cluster
HUD



Automated Driving

AVM
DMS/IMS
ADAS
E-Mirror
APA



In-cabin Acoustics

Spatial Sound
Auto-EQ
EC/NR
ITU-T Lab



Cockpit Electronics

Display Audio

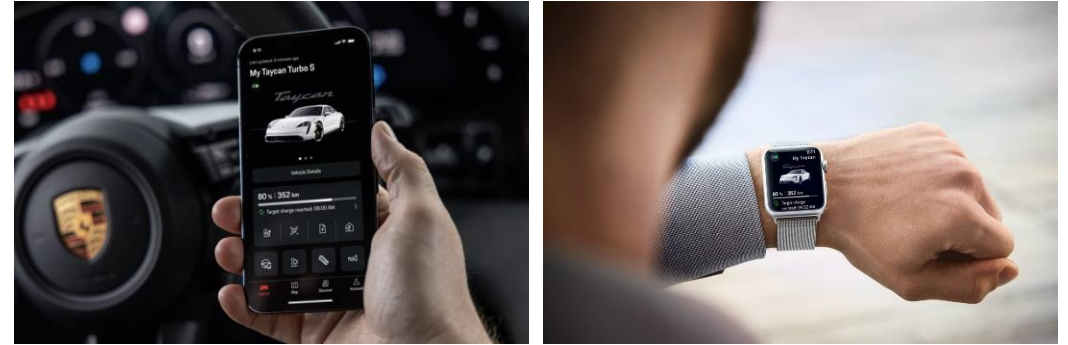
Connects Vehicle to Person (Personal Device)



Apple might keep on enhancing the in-car XP



Partnering with Automakers



Focus on Deeper Integration (with Car)

Expanding App Ecosystem

Focus on Customization

iCockpit Solution

• Cluster



• In-Vehicle-Infotainment

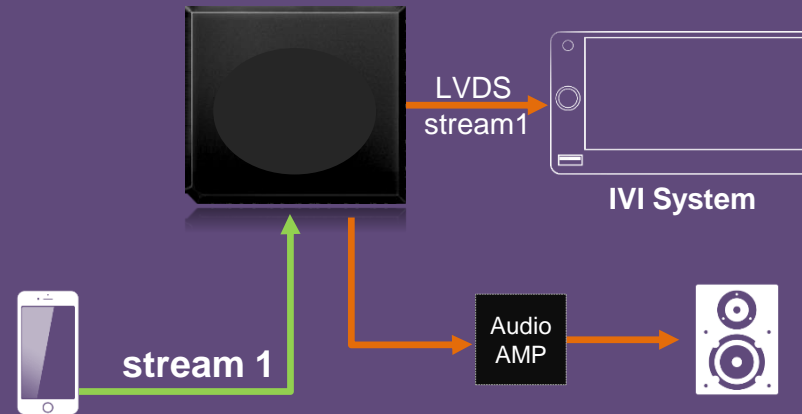


• AVM/ADAS



CarPlay Multi-Stream

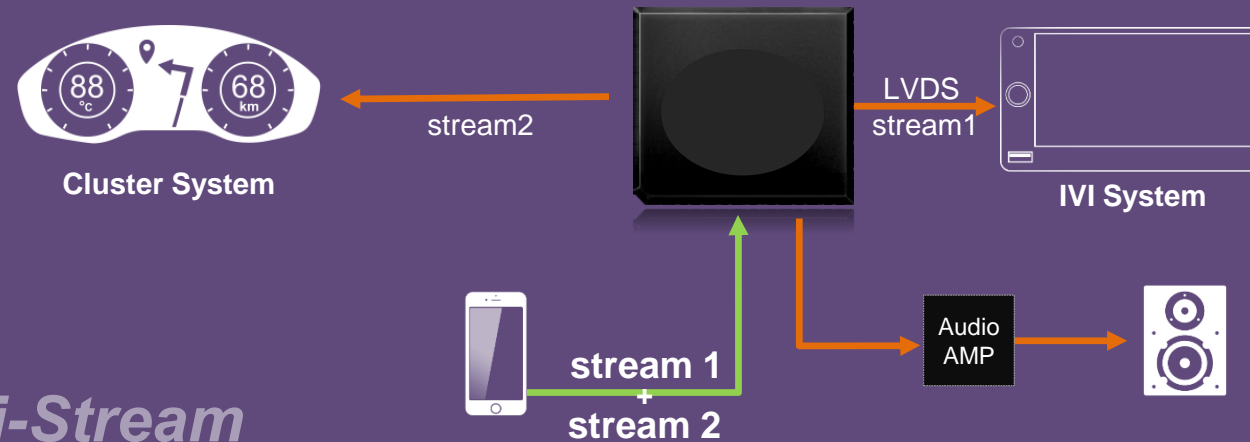
Classic CarPlay



■ Stream 1: CarPlay Functions

- Navigation, Music, Telephony, and Siri, etc.

CarPlay Multi-Stream



CarPlay Multi-Stream

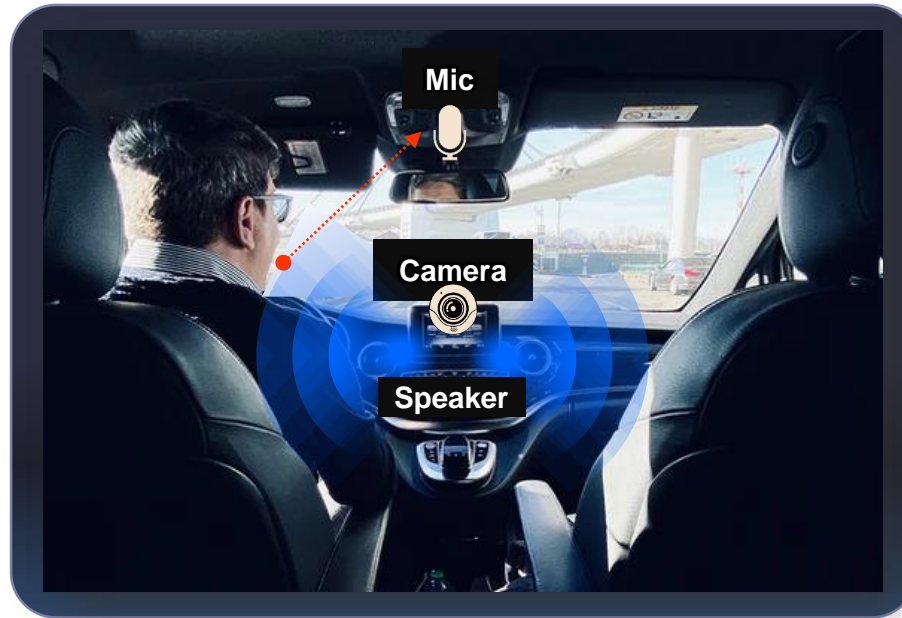
■ Stream 2: Alternative Functions

- Navigation, Sound Effect Spectrum, or Album Info
- To Cluster or HUD

iCockpit: IVI+Cluster



iCockpit : IVI+ADAS



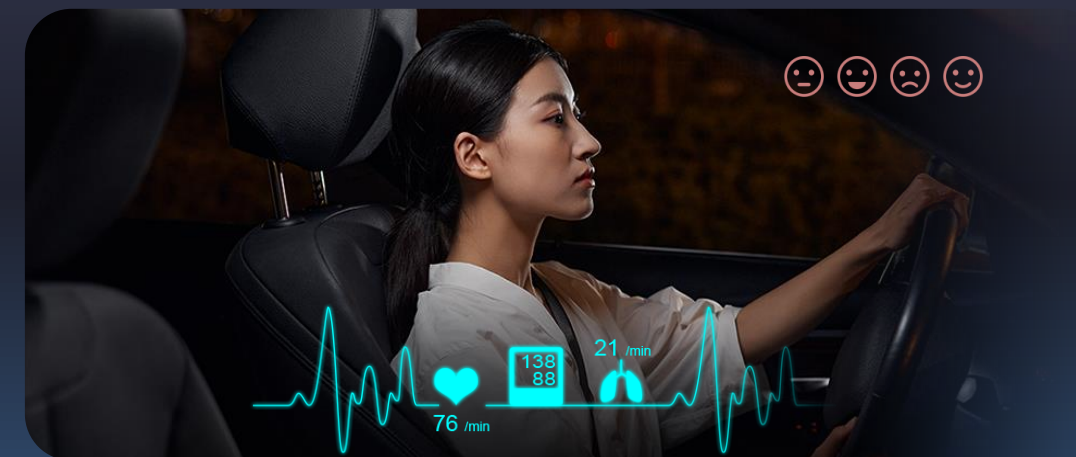
Driver ID.



Driver Monitor System (DMS)



Driver Monitoring System – Vision-based



Motorcycle Cluster Market

- Scooter cluster supports smart phone link and mirroring
- Large displacement motorcycle supports CarPlay & Android Auto



Phone link
&
Mirroring



CarPlay
&
Android Auto



Motocycle Cluster solution

- UI Layout (cluster, navigation, turn-by-turn, cluster + navigation)



Works with
Apple CarPlay



androidauto



Motocycle Cluster solution

- Wireless Connection by WiFi and Bluetooth_1 Module
- Support Helmet 1 & Helmet 2 by Bluetooth_2 Module



Automated Driving

ADAS Applications

AVM



AR HUD



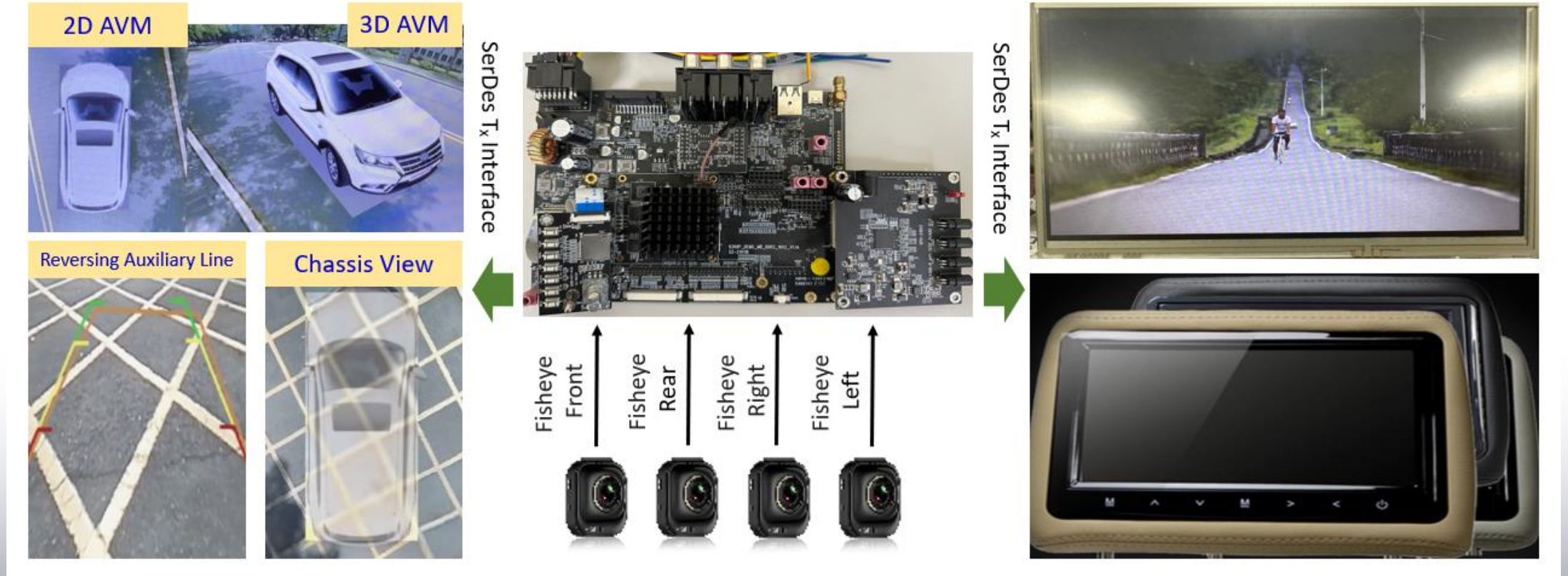
APA



E-Mirror/CMS/DMS



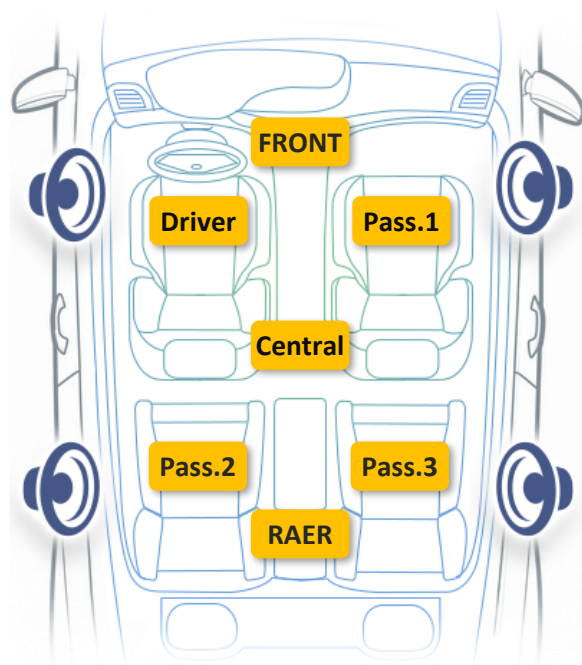
AVM



Immersive Sound

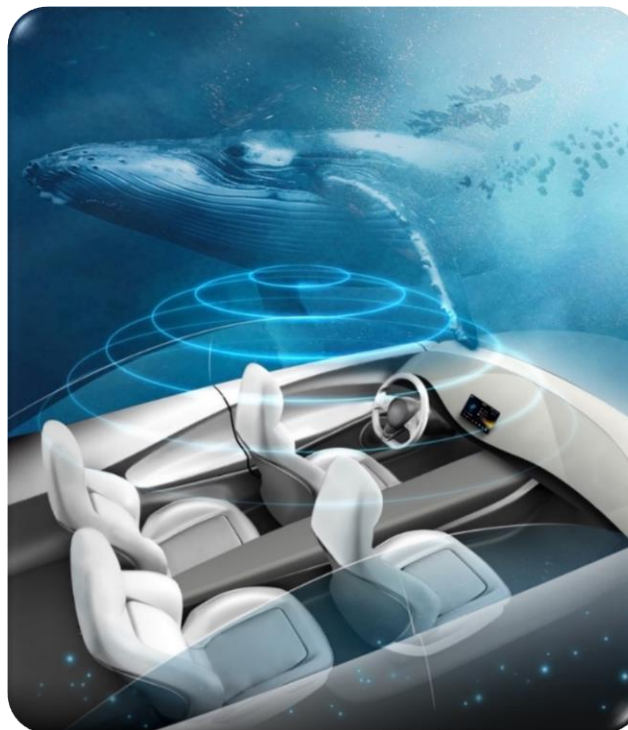
Joy – In-cabin Acoustics

Sound Field with IMS



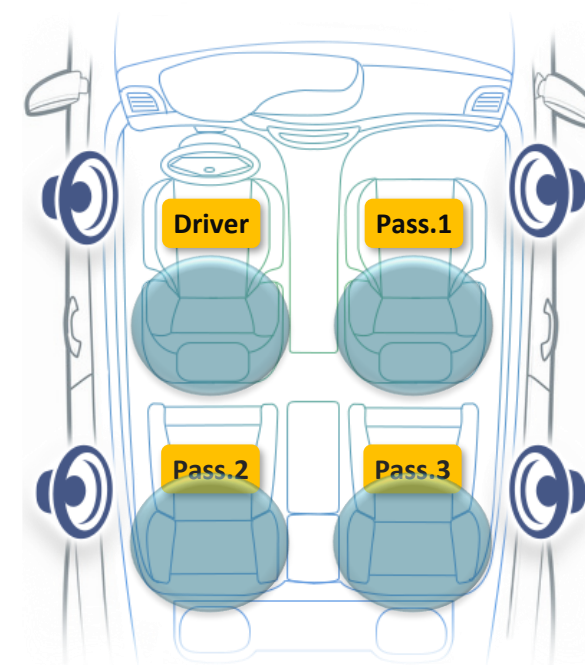
The IMS sees the occupants and feeds the info to IVI for optimal sound field settings.

Immersive Sound



Bringing the 3D surround technology, such as Dolby Atmos™, or Sunplus Spatial Sound to the cabin.

Sound Bubble (w/ ANC)

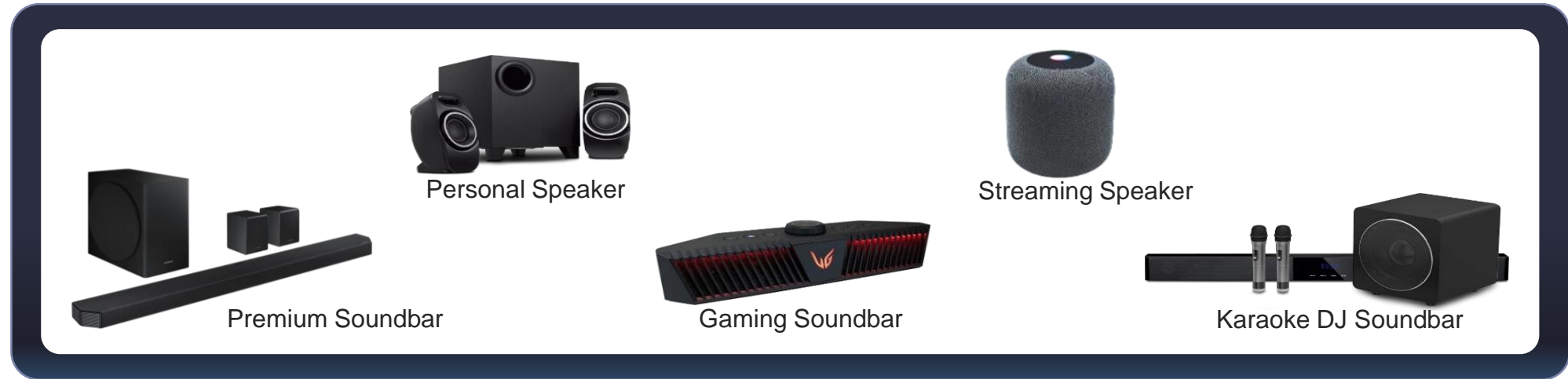


Giving every occupants a quiet zone, or independent listening zone.

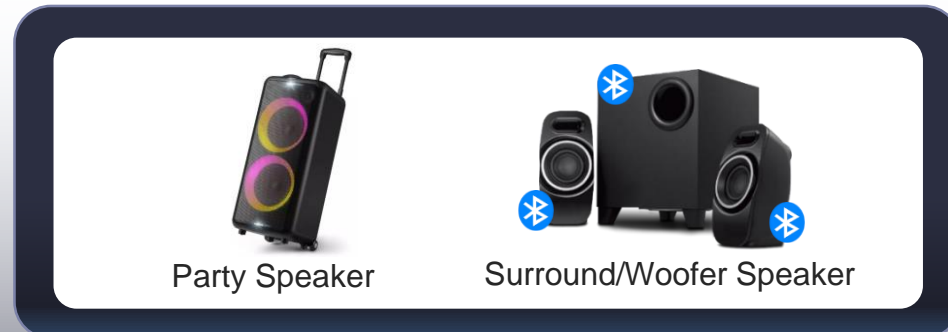
Audio

Audio Solutions

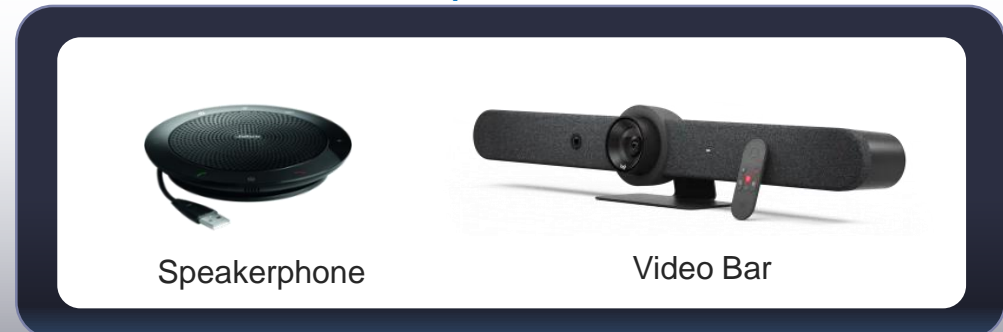
Speaker Out



Wireless Connection



Speech In



Soundbar - Bridging the gap of Flat-panel HDTV & Home Theater



Best Cost-Performance Soundbar Solution

3D Sound Effects

- Dolby ATMOS v1.8
- DTS: X, IMAX enhanced
- MPEG-H
- Sunplus Spatial Sound

AI Sound Classifier

- Advanced AI algorithms accurately classify media content

Room Correction

- Optimize the acoustics of Main Bar, Subwoofer for room

Bluetooth v5.3

- LE Audio, LC3/LC3plus Codecs
- Multi-stream, Broadcast

Sound Tuning Tool

- Powerful GUI tuning tool supports arbitrary sound adjustment

3rd-party Algorithm

- Capable of compatible to customer legacy sound algorithm

Audio Streaming

- + External DTS Play-Fi Module
- + WiFi Module (Airplay-2, Alexa, etc.)



Soundbar with surround



Bluetooth Connection -from close to open



Dolby plans to create a **proprietary DAFC profile** in BLE for "Open" DAFC

Prerequisites

- High Data Throughput Profile (HDT, min 6M PHY)
With reduced Inter Frame Spacing (from 150us to 50us) for Broadcast
- Surround Sound Audio Profile (SSAP)

Expect both to be standardized in 2026 in the BT SIG.

First devices expected in 2027.

Dolby plans to work with partners on PoCs in 2025 and 2026 to (1) support HDT and SSAP standardization and (2) create the DAFC profile.

Target Market

Innovative Bluetooth Audio ecosystem is creating



Party Speaker

Party Speaker

Karaoke • Smart DJ • Auracast



Gaming / PC Soundbar



S+ Spatial Sound 3D
Gaming/PC Soundbar


Conference Speaker

Conference Speaker

SPA101

Acoustic Echo Cancellation
Noise Reduction



 Noise Reduction

 Acoustic Echo Cancellation



Video Bar

VideoBar SPA100P
S+ Audio Barrier
S+ AI ClearVoice

Audio Barrier

Audio Barrier

S+ AI ClearVoice

Demo Video

S+ AI ClearVoice

S+ Audio Barrier

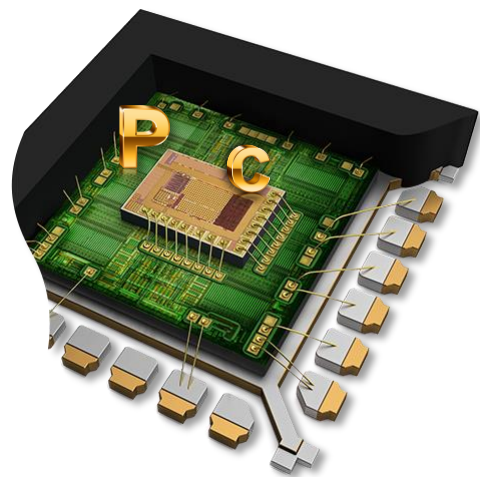
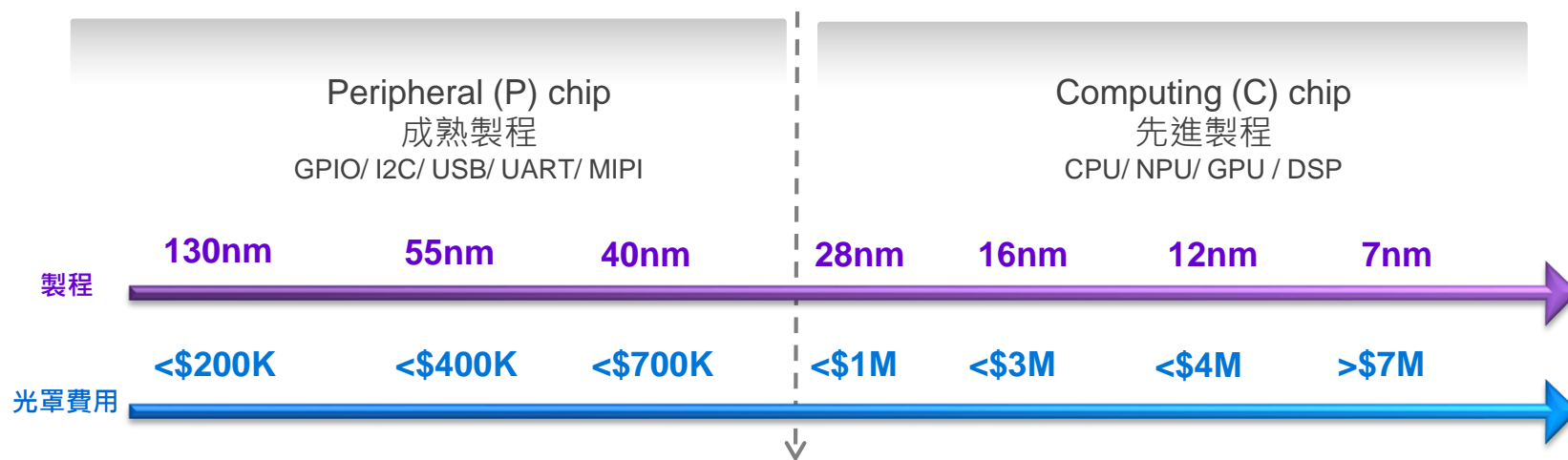
airlyra



Plus 1

Plus1：共享智能運算Chiplet架構

通用高效算力結合專用周邊的 AI on Chip 解決方案



Plus1

將界面週邊P與高運算力C
區隔為兩個不同的晶粒(Chiplet)

C1 – IOT LINUX CHIP

全球市場開枝散葉



英國、挪威：
車隊物流追蹤系統



俄羅斯：
教育用機器人



荷蘭：
家用熱泵



德國：
生理辨識
工業網路協定



法國：
付費影印機
HiFi音響



比利時：
充電樁

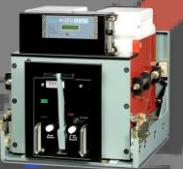


中東：
農業管理
昆蟲辨識



印度：
工業網路閘道器

南韓：
工業控制器

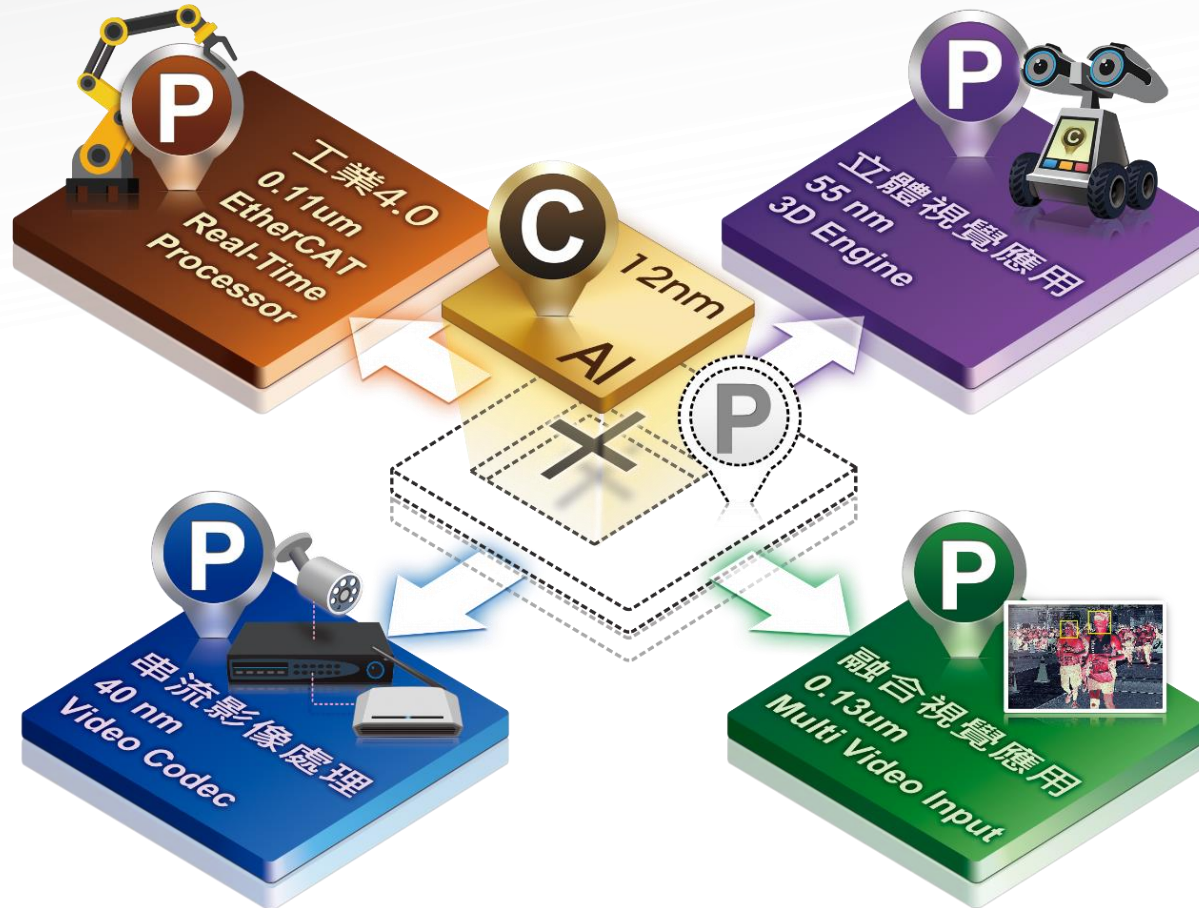


南非：
加油站付款



台灣：
醫療終端設備

+ AI on Chip EVERY



C3V Application : Robot Market

Smart Robot everywhere in the world

■ Applications

- 掃地機_識別物件、自走避障
- 戶外割草機_識別物件、自走避障
- 長照監護系統_跌倒、落床偵測
- 空拍機_人車救援追蹤
- 視訊會議_人臉追蹤、環境降噪
- 自走機器人_識別物件、自走避障
- 車內駕駛偵測(DMS)_動作識別



C5 Application : Robot Market

Smart Robot everywhere in the world

■ Applications

- 掃地機_識別物件、自走避障
- 戶外割草機_識別物件、自走避障
- 長照監護系統_跌倒、落床偵測_可對話的長照示警、喚醒、呼救
- 空拍機_人車救援追蹤_多種影像結合辨識
- 視訊會議_人臉追蹤、環境降噪_會議摘錄、即時翻譯
- 自走機器人_識別物件、自走避障_語音聲控、對話陪伴
- 車內駕駛偵測(DMS)_動作識別_語音互動、輔助提醒



SUNPLUS



Make difference