








SUNPLUS

3Q 2023 Investor Conference

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Make difference

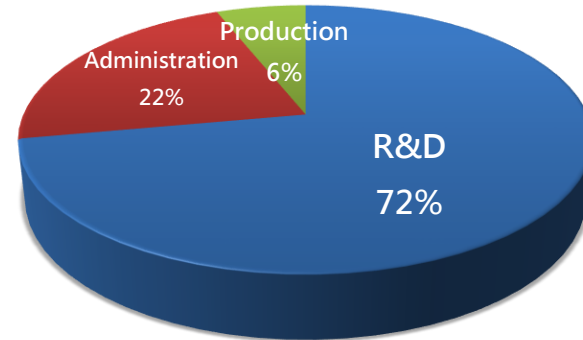
Sunplus Affiliates

	Profession	Shareholding	Stock code
 SUNPLUS	Sunplus Technology Co., Ltd. (592m shares) Automotive IC & IP Design	100%	TWSE#2401
	Generalplus Technology Co., Ltd. (109m shares) Speech/Music, LCD, Digital Video & Image SoC Turnkey Solutions, Micro-Controllers	48%	TWSE#4952
	Sunplus Innovation Technology Inc. (59m shares) Web Cam & HID Control IC	57%	TWSE#5236
	Sunext Technology Co., Ltd. (64m shares) ODD & Motor Drive IC	100%	
	Jumplux Technology Inc. (24m shares) Automotive MCU & USB Storage ASIC	97%	

* Based on 2023/9/30 Consolidated-holding by Sunplus

Human Resources

Global Employees

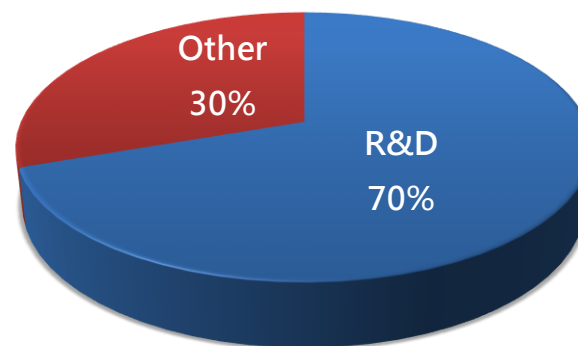


Global Employees/ R&D

1,089 / 787

40% Master above

Sunplus HR



Sunplus HR/ R&D

339 / 238

61% Master above

* Data by 2023/9/30

Q3 Consolidated Results

(NT\$ million)	2023 3Q		2023 2Q		2022 3Q		QoQ	YoY
Net Sales	1,546	100%	1,418	100%	1,437	100%	9%	8%
COGS	835	54%	750	53%	787	55%	11%	6%
Gross Margin	710	46%	669	47%	650	45%	6%	9%
R&D Expenses	545	35%	535	38%	527	37%	2%	3%
SG&A Expenses	177	11%	175	12%	200	14%	1%	(11%)
Operating Net Profit (Loss)	(12)	(1%)	(42)	(3%)	(77)	(5%)	(72%)	(85%)
Non-Op. Gain (Loss)	100	6%	65	5%	192	13%	54%	(48%)
Net Income (Loss)	34	2%	(2)	(0%)	86	6%	(1929%)	(61%)
Other Comprehensive Income	61	4%	(65)	(5%)	91	6%	(193%)	(33%)
Total Comprehensive Income	95	6%	(67)	(5%)	177	12%	(241%)	(46%)
Net Profit Attributable To								
Shareholders of the parent	(53)	(3%)	(83)	(6%)	20	1%	(36%)	(365%)
Non-controlling interests	87	6%	81	6%	66	5%	7%	31%
EPS (NT\$)	(0.09)		(0.14)		0.03			

** EPS based on outstanding 591,994,919 shares on 2023/09/30

Q1~3 Consolidated Results

(NT\$ million)	2023 Q1~3		2022 Q1~3		YoY
Net Sales	4,157	100%	5,536	100%	(25%)
COGS	2,213	53%	2,698	49%	(18%)
Gross Margin	1,944	47%	2,838	51%	(31%)
R&D Expenses	1,561	38%	1,697	31%	(8%)
SG&A Expenses	525	13%	687	12%	(24%)
Operating Net Profit (Loss)	(142)	(3%)	454	8%	(131%)
Non-Op. Gain (Loss)	219	5%	488	9%	(55%)
Net Income (Loss)	(17)	(0%)	754	14%	(102%)
Other Comprehensive Income	58	1%	138	2%	(58%)
Total Comprehensive Income	41	1%	892	16%	(95%)
Net Profit Attributable To					
Shareholders of the parent	(228)	(5%)	347	6%	(166%)
Non-controlling interests	211	5%	408	7%	(48%)
<u>EPS (NT\$)</u>	<u>(0.39)</u>		<u>0.59</u>		

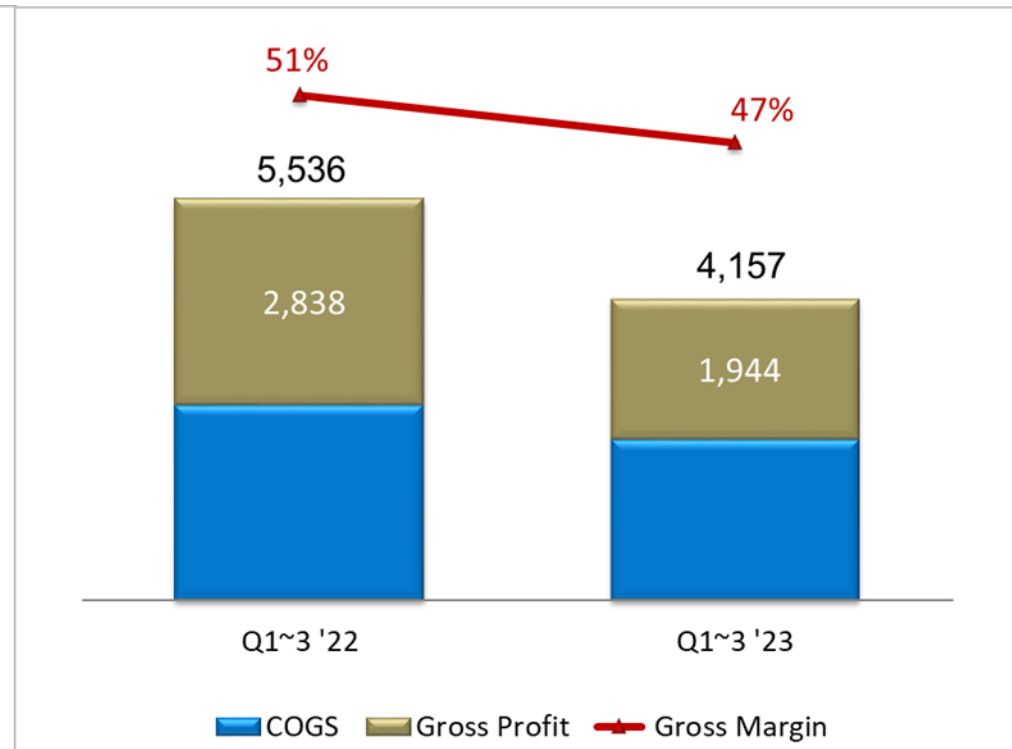
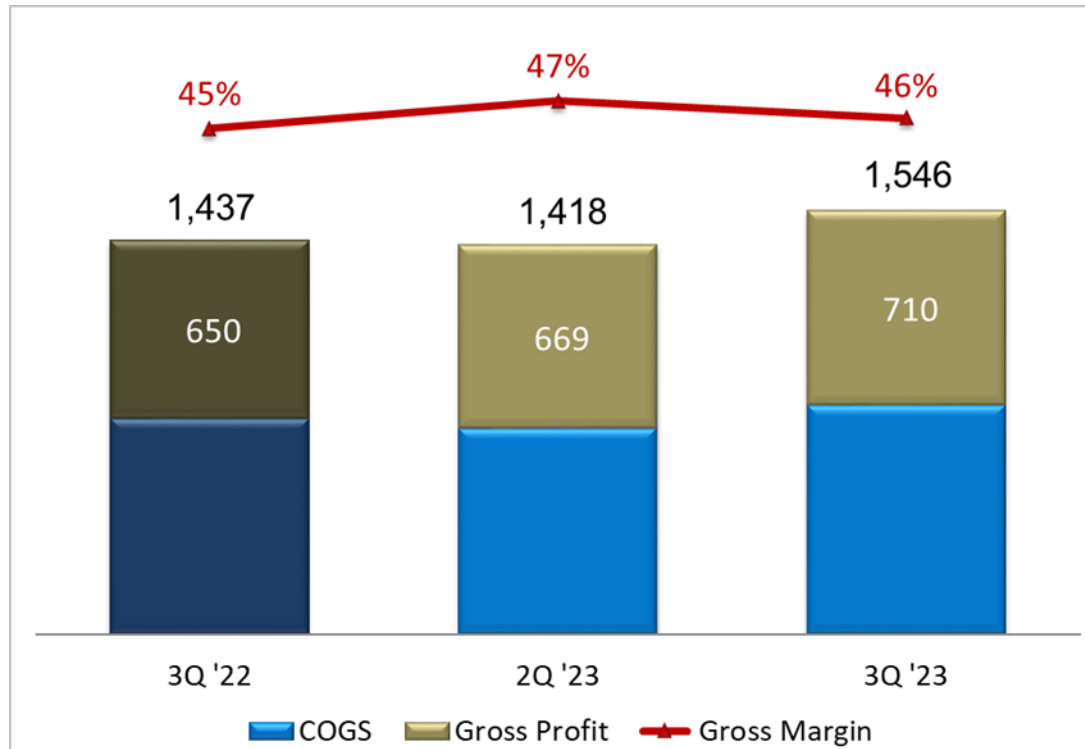
** EPS based on outstanding 591,994,919 shares on 2023/09/30

Consolidated Net Sales & Gross Profit

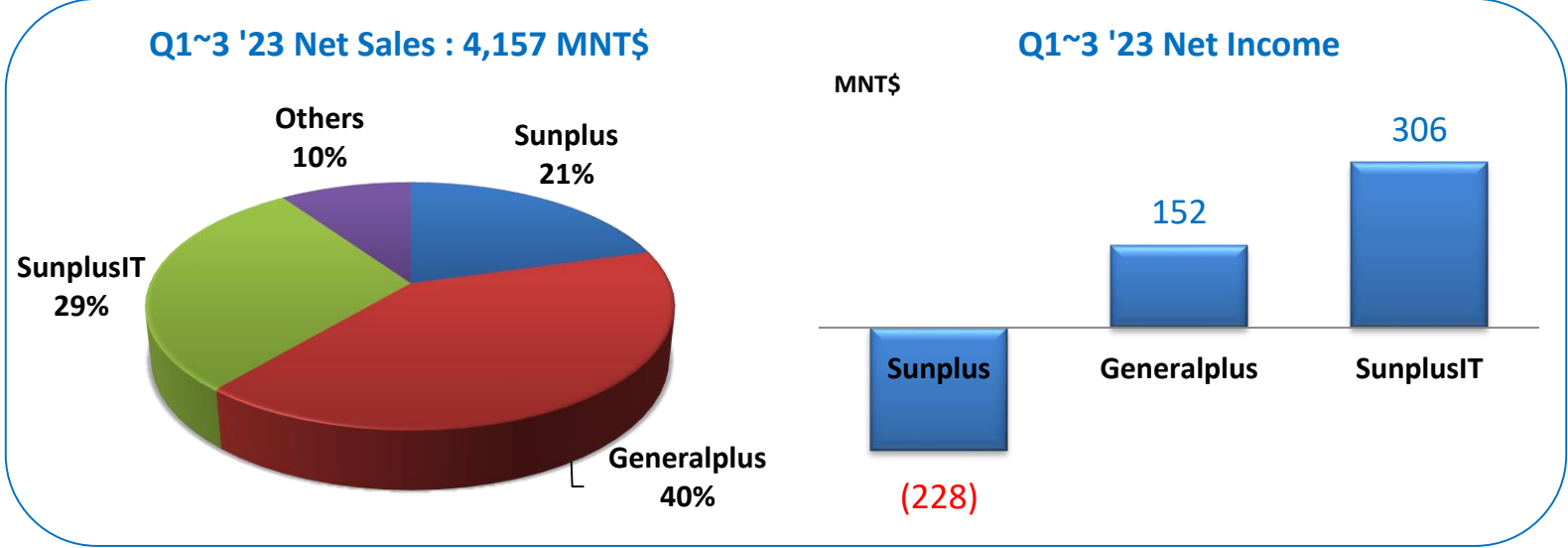
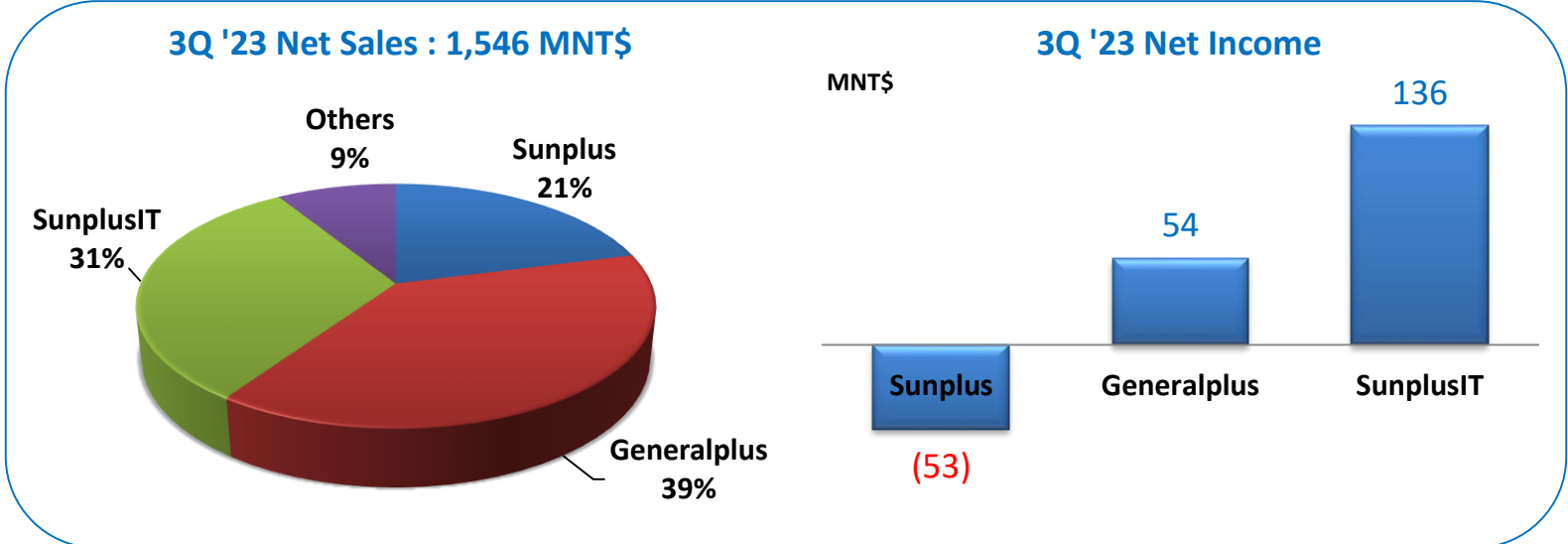
NT\$ million

← GP YoY: +9% →
 ← GP QoQ: +6% →

← GP YoY: -31% →



2023 Affiliates' Contribution



Q3 Consolidated Balance Sheet

(NT\$ million)	<u>2023 3Q</u>	<u>2023 2Q</u>	<u>2022 3Q</u>	<u>QoQ</u>	<u>YoY</u>
Total Assets	14,198	14,943	15,003	(5%)	(5%)
Cash and Cash equivalents	4,061	3,895	4,222	4%	(4%)
Financial asset at fair value through profit or loss	884	1,763	609	(50%)	45%
Inventory	1,607	1,774	2,262	(9%)	(29%)
Equity Method Investments	954	937	932	2%	2%
Financial asset at fair value through profit or loss - non-current	1,649	1,516	1,520	9%	8%
<u>Total Liabilities</u>	<u>3,224</u>	<u>4,052</u>	<u>3,205</u>	<u>(20%)</u>	<u>1%</u>
S-T Bank Loans	0	274	146	(100%)	(100%)
Account Payable	373	275	524	36%	(29%)
Other current liabilities	884	1,623	1,095	(46%)	(19%)
<u>Shareholder Equity to parent</u>	<u>8,715</u>	<u>10,891</u>	<u>9,389</u>	<u>(20%)</u>	<u>(7%)</u>
<u>ROE%</u>	<u>(0.15%)</u>	<u>(0.47%)</u>	<u>6.39%</u>		
<u>Net Asset Value per Share (NT\$)</u>	<u>14.81</u>	<u>14.85</u>	<u>15.86</u>		

Cash Flows

(NT\$ million)	2023 3Q	2023 2Q	2022 3Q	QoQ	YoY
From Operation	529	420	(225)	26%	(335%)
From Investment	666	(719)	1,342	(193%)	(50%)
From Financing	(1,040)	75	(1,488)	(1496%)	(30%)
Net Cash Flow in (out)	167	(221)	(354)	(175%)	(147%)
Cash and Cash equivalents	4,061	3,895	4,222	4%	(4%)

(NT\$ million)	2023 Q1~3	2022 Q1~3	YoY
From Operation	796	(442)	(280%)
From Investment	(491)	1,284	(138%)
From Financing	(685)	(1,492)	(54%)
Net Cash Flow in (out)	(366)	(613)	(40%)
Cash and Cash equivalents	4,061	4,222	(4%)

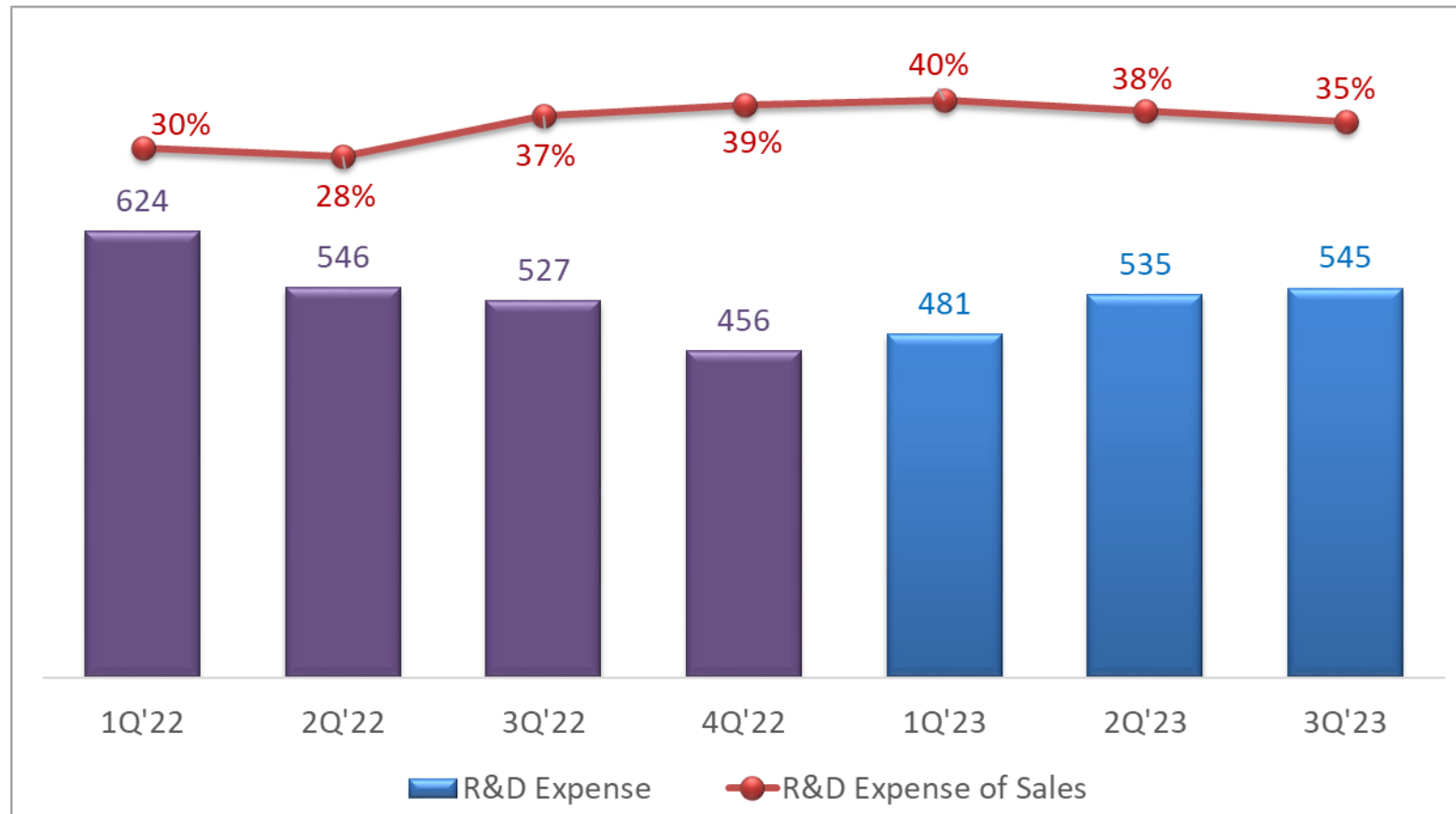
Non-Operating Gain

(NT\$ million)	<u>2023 3Q</u>	<u>2023 2Q</u>	<u>2022 3Q</u>	<u>QoQ</u>	<u>YoY</u>
Other Income	45	21	84	110%	(47%)
Exchange Gain (Loss)	47	15	25	203%	85%
Gains on Financial Assets (Liabilities) at Fair Value through Profit or Loss	(12)	25	70	(148%)	(117%)
Investment Gain Recognized under Equity Method	(4)	(6)	6	(31%)	(174%)
<u>Non-Operating Gain</u>	<u>100</u>	<u>65</u>	<u>192</u>	<u>54%</u>	<u>(48%)</u>

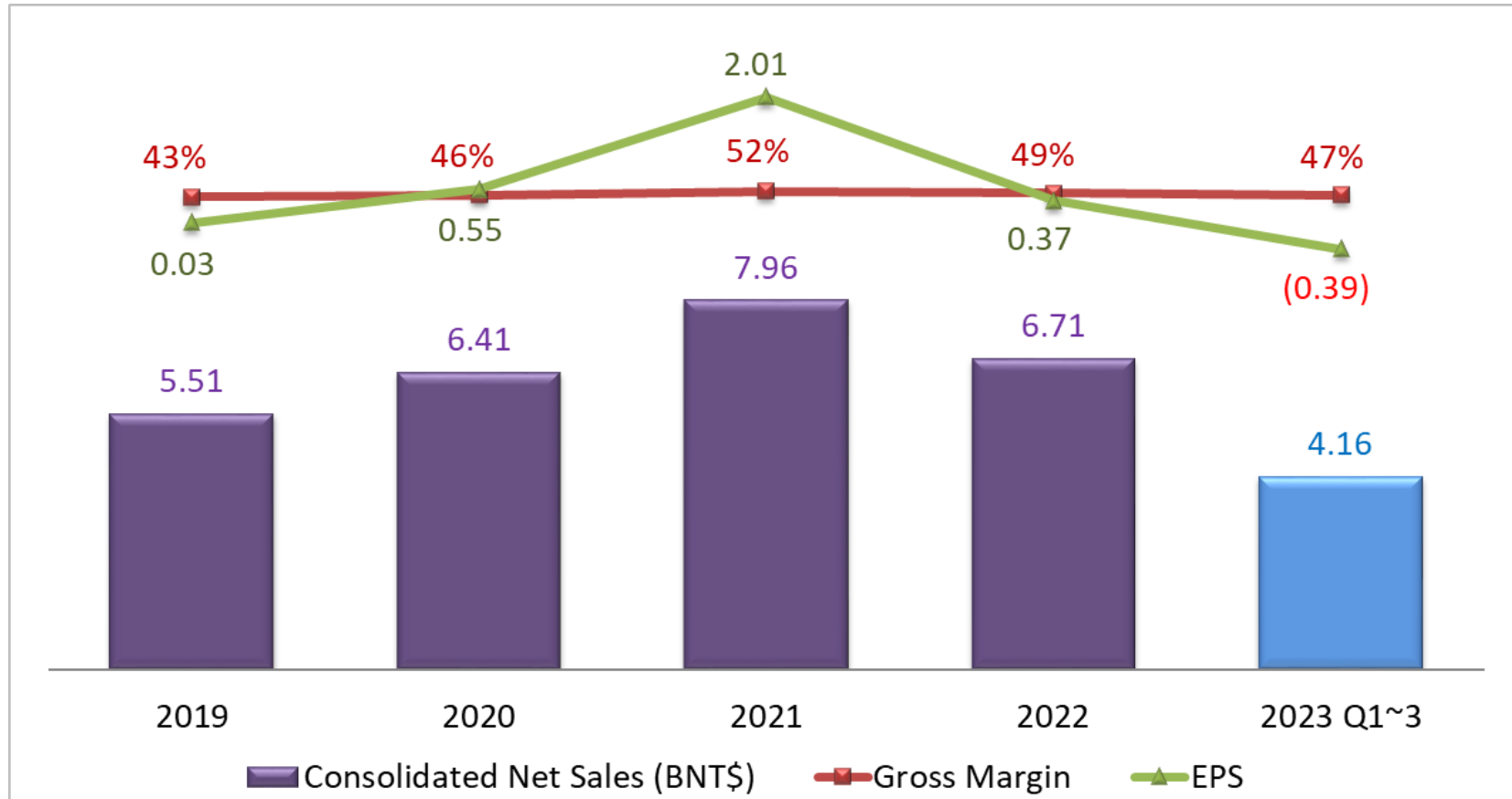
(NT\$ million)	<u>2023 Q1~3</u>	<u>2022 Q1~3</u>	<u>YoY</u>
Other Income	76	154	(50%)
Exchange Gain (Loss)	55	73	(25%)
Gains on Financial Assets (Liabilities) at Fair Value through Profit or Loss	87	(289)	(130%)
Investment Gain Recognized under Equity Method	(36)	14	(356%)
Disposal of investment interests under equity method	0	449	
<u>Non-Operating Gain</u>	<u>219</u>	<u>488</u>	<u>(55%)</u>

R&D Expenses

NT\$ million



Financial Statement



Sunplus Products Portfolio

Automotive

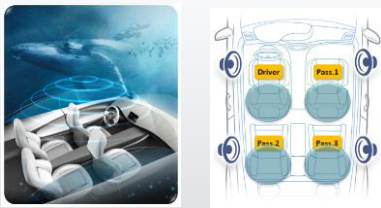
Cockpit Electronics



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)



A woman with long brown hair, wearing a green jacket, a white top, and blue jeans, stands to the right of a large white screen. The screen displays the text '98%' in large gold font and 'Availability in the US' in smaller black font below it. The background is a modern office hallway with large windows.

98%

Availability in the US

79%

US buyers only consider CarPlay-capable vehicles



New CarPlay Features with iOS 16



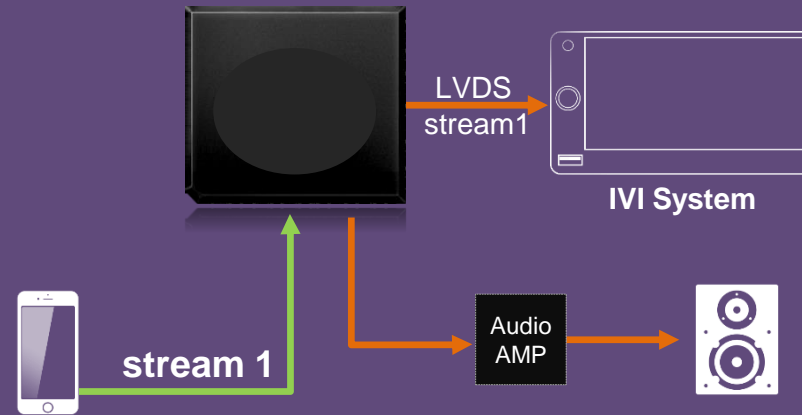
- Larger Screen
- Multiple Display
- Instrument Cluster
- More App Types
- New GUI Widgets

iCockpit Solution



CarPlay Multi-Stream

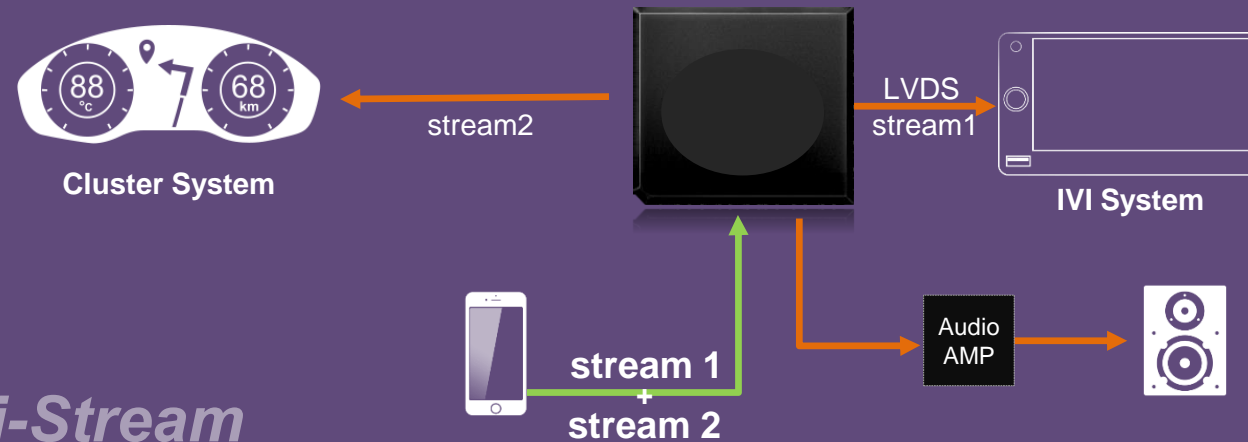
Classic CarPlay



■ 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

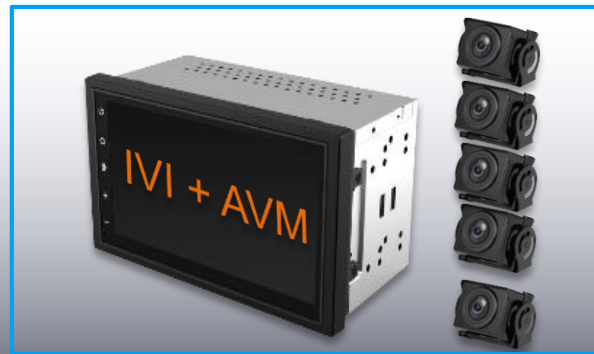


iCockpit : IVI+AVM

Was: IVI & AVM Box



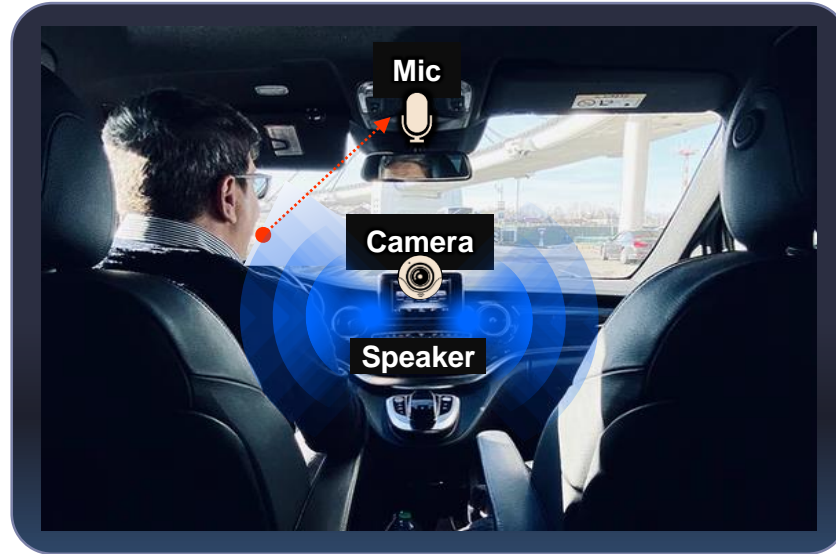
Now: IVI with AVM Built-in



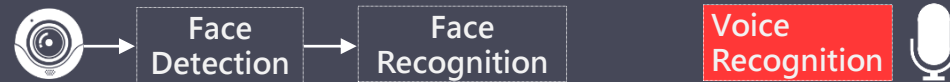
All in One

Cost Saving

iCockpit : IVI+ADAS



Driver ID.



Driver Monitor System (DMS)



Driver Monitoring System – Vision-based



Driver and Interior Monitoring



Automated Driving

ADAS Applications

AVM



AR HUD



APA



E-Mirror/CMS/DMS

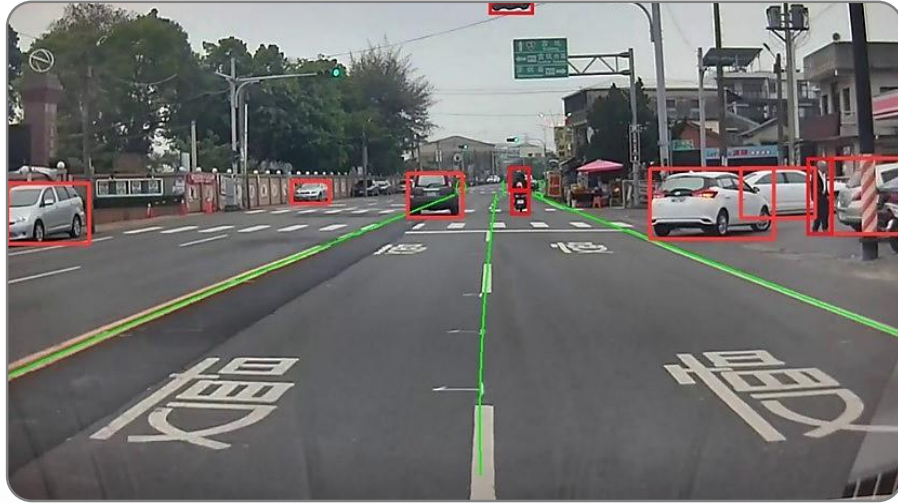


3D AVM



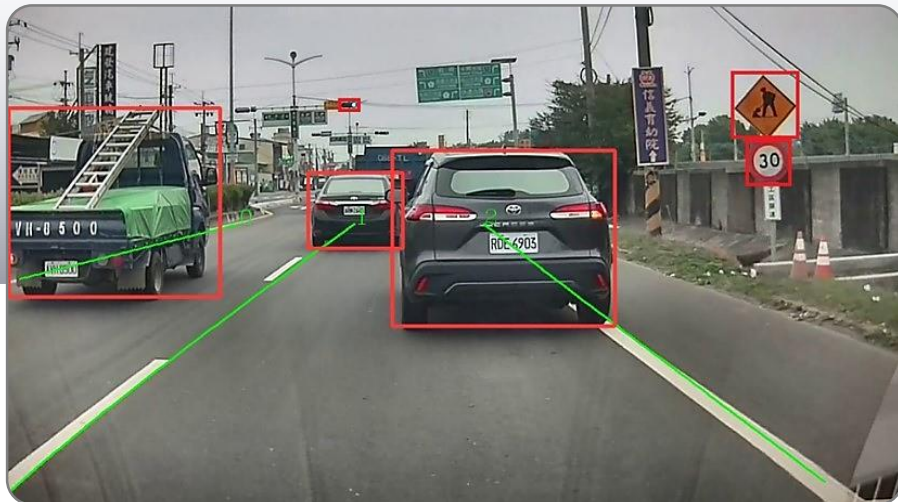
2D AVM、透明底盤與鏡頭校正畫面

Smart Vision Sensors



■ 2 FHD camera inputs Detection:

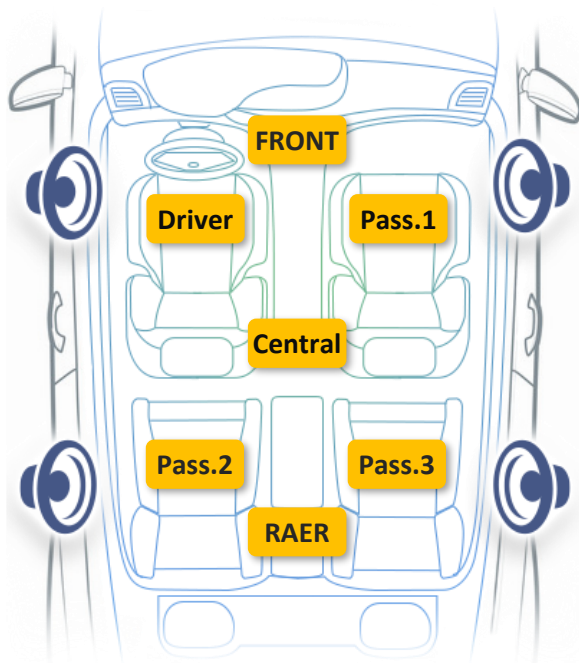
- Motorcycles
- Cars
- Traffic lights
- Traffic signs
- Traffic lanes
- Pedestrians



Immersive Sound

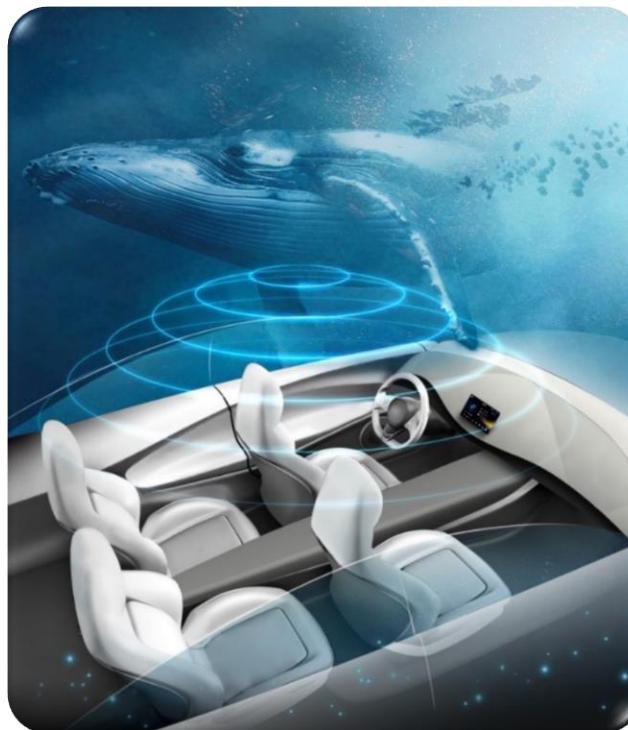
Joy – In-cabin Acoustics

Sound Field with IMS



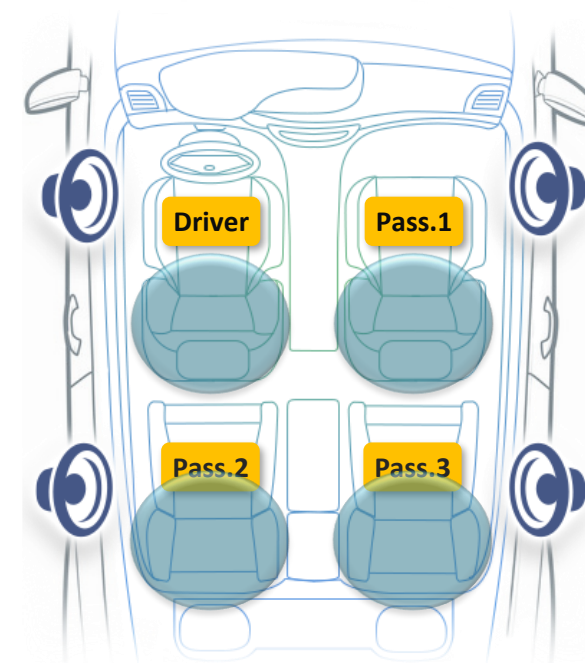
The IMS sees the occupants and feeds the info to IVI for optimal sound field settings.

Immersive Sound



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

Sound Bubble (w/ ANC)

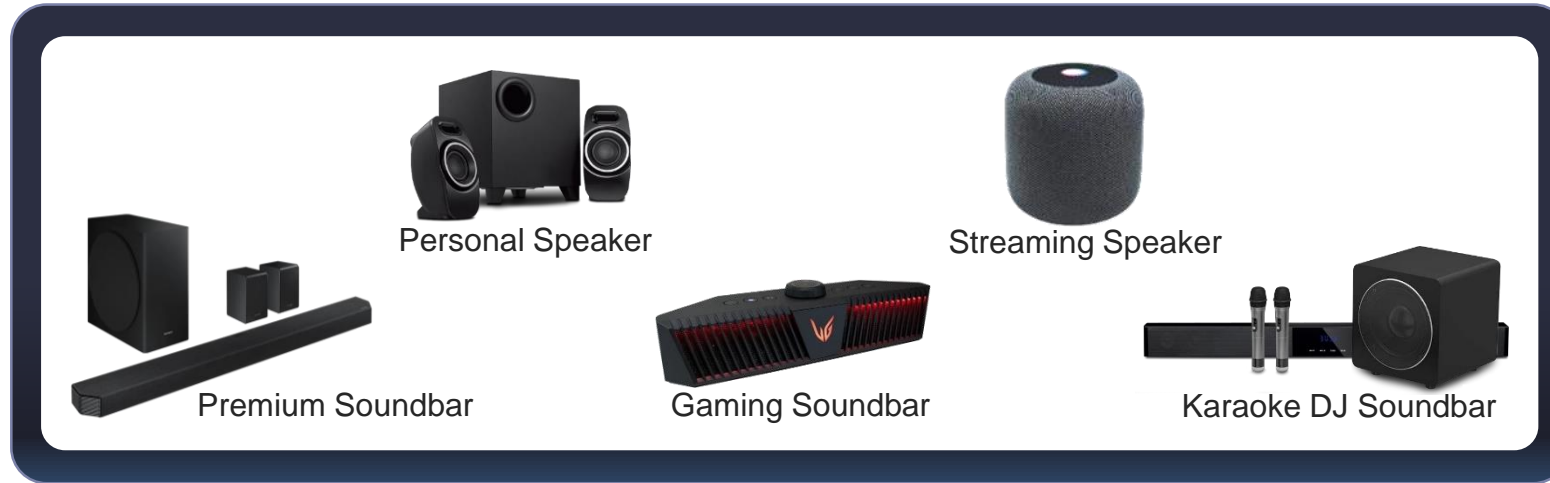


Giving every occupants a quiet zone, or independent listening zone.

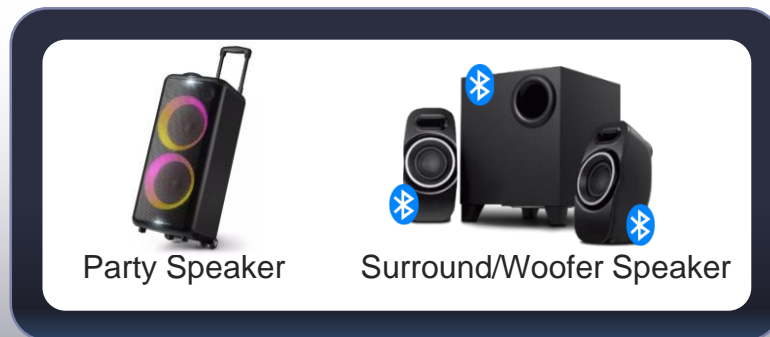
Audio

Audio Solutions

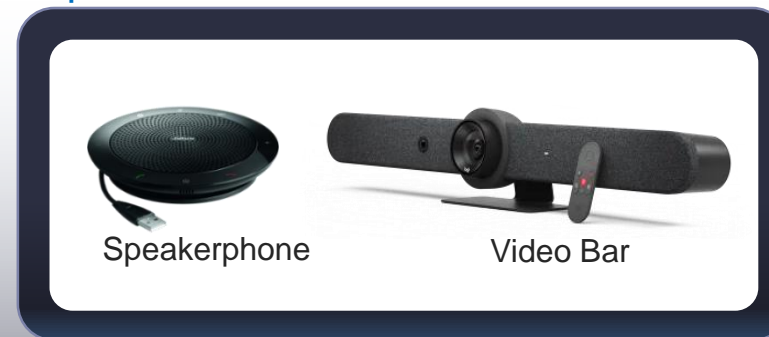
Speaker Out



Wireless Connection



Speech In



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

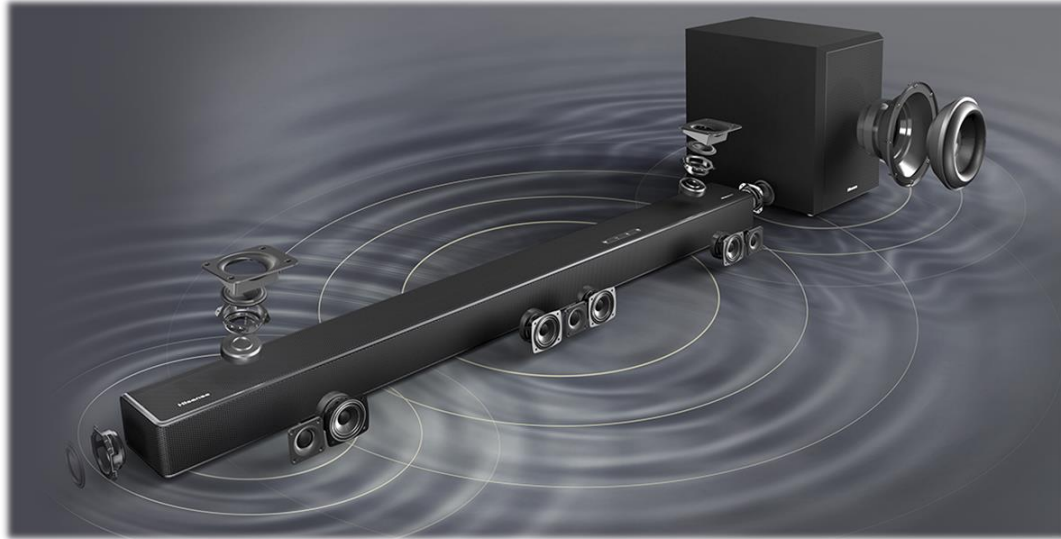
Audio Streaming

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



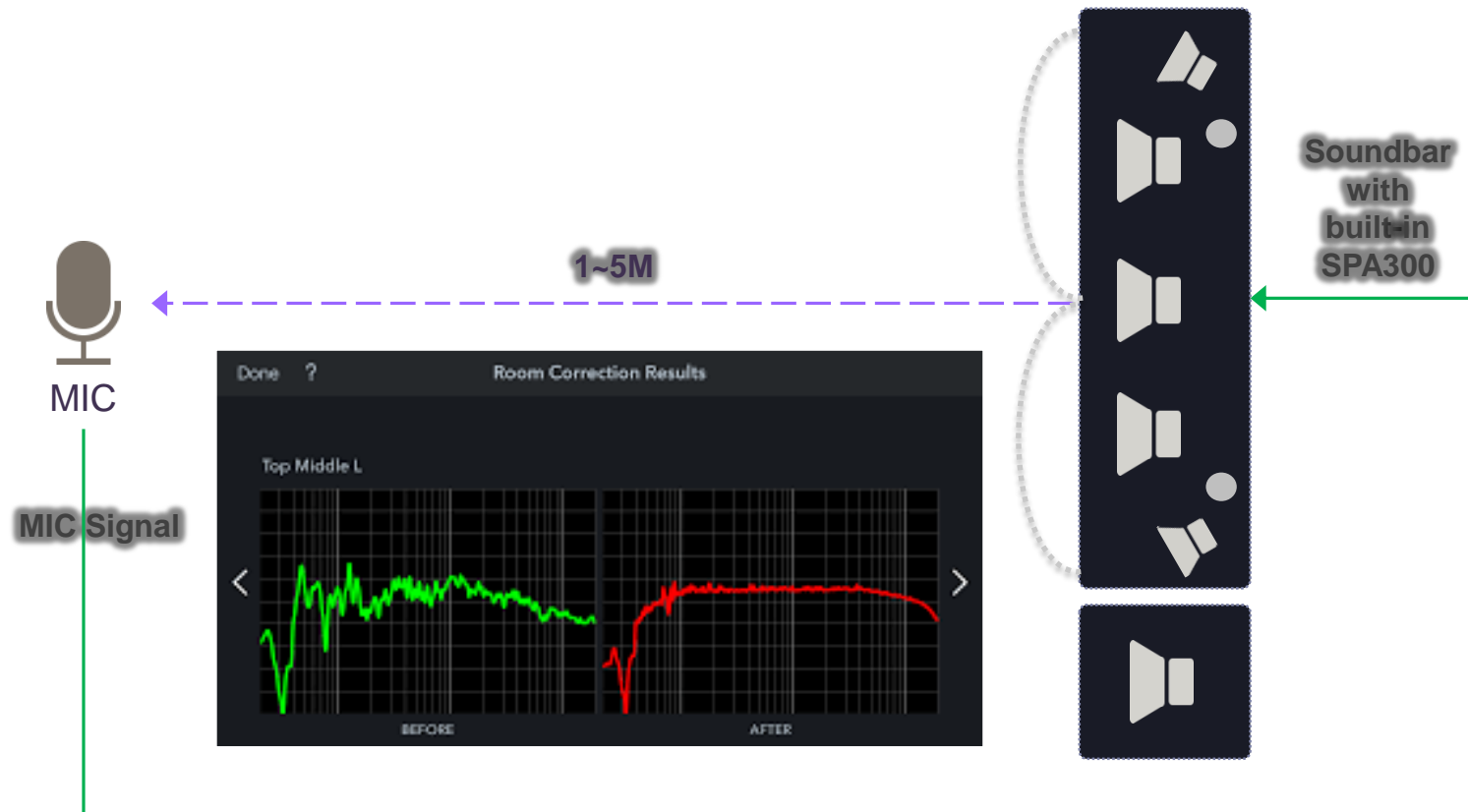
Soundbar

Bridging the gap of Flat-panel HDTV & Home Theater



Room Correction

- A real-time DSP technology which automatically compensates and optimizes your room listening environment



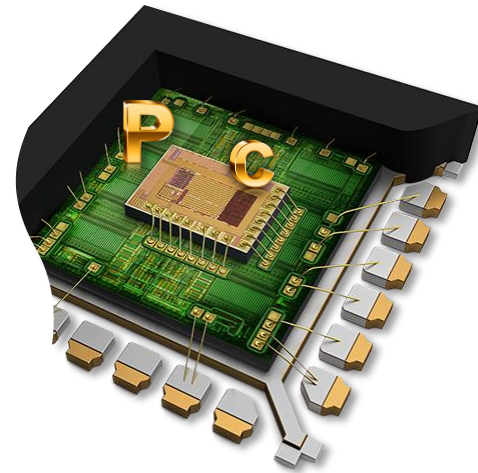
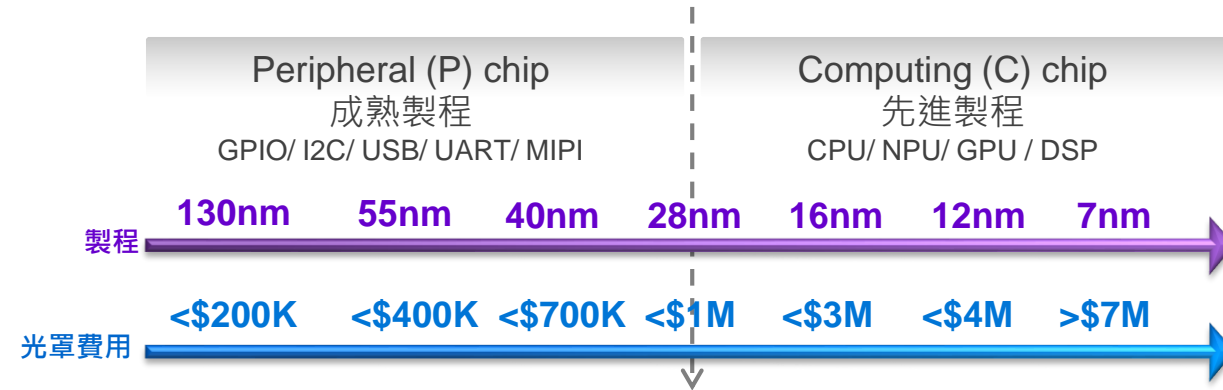
Target Market

Innovative Bluetooth Audio ecosystem is creating



Plus 1

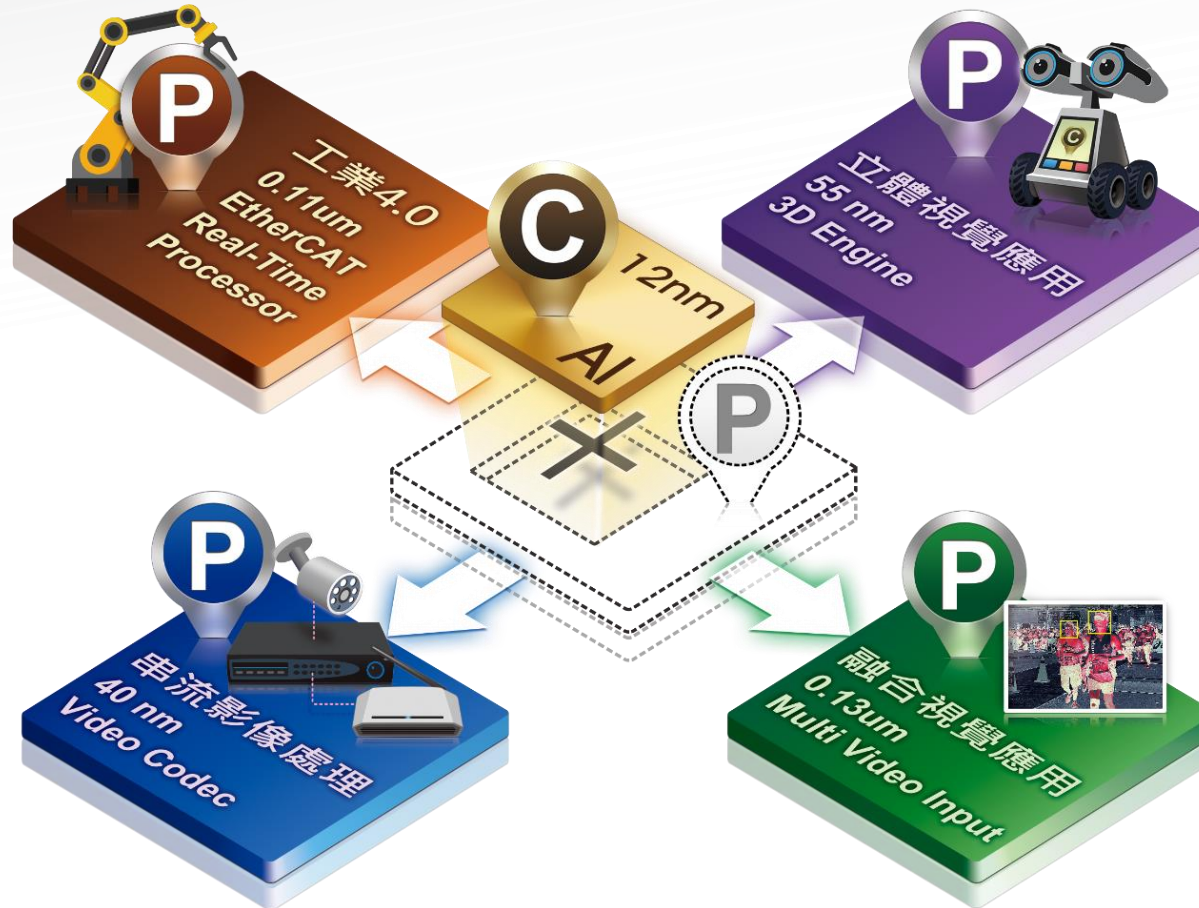
Plus1 : Chiplet Structure



C1 – IOT LINUX CHIP



+ AI on Chip EVERY



C3V Application : Robot Market

Smart Robot everywhere in the world

■ Applications

- Robot vacuums
- Automatic lawn mower
- Industrial AMR



IP Solutions

Experience Optimized IP Solutions for SoC Design

IC Design & IP Design Service



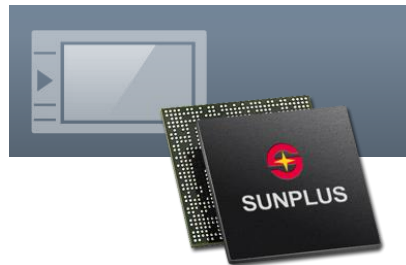
Media I/F (Audio/Video)

MIPI RX IP · HDMI Tx IP · LVDS IP · AUDIO ADC
AUDIO DAC · VIDEO DAC...



Data/Com I/F (Networking/Datacom)

10/100 ETHERNET PHY · USB 2.0 · USB 3.0
DDR 3/2 PHY · SerDes...



SoC Companion

SAR ADC · Pipeline ADC · PLL · SPREAD
SPECTRUM PLL...



SUNPLUS



Make difference