Sensortek Technology Corp.
Investor Conferences

6732

昇佳電子股份有限公司

Disclaimer

- This presentation includes forward-looking statements. All statements, other than statements of historical facts, that address activities, events or developments that Sensortek Technology Corp. expects or anticipates will or may occur in the future (including but not limited to projections, targets, estimates and business plans) are forward-looking statements.

- Sensortek's actual results or developments may differ materially from those indicated by these forward-looking statements as a result of various factors and uncertainties, including but not limited to material cost increase, market demand, change in legal, financial and regulatory frameworks, government policies, financial market conditions, and other risks and factors beyond our control.

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Agenda

Ⅰ. Company Introduction

Ⅱ. Market Outlook

Ⅲ. Our Products

Ⅳ. Financial Performance

Ⅴ. Future Development

Ⅰ. Company Introduction

About Us

Company Name	**Sensortek Technology Corp.**
Founded	December 1, 2009
Capitalization	NT 489,126,180
Chairman and CEO	Sheng-Su Lee
Location	Tai Yuen Hi-Tech Industrial Park, Jhubei City, Hsinchu County
Products	• **光學感測晶片 Optical Sensor** - 近接感測晶片 Proximity Sensor (PS) - 環境光感測晶片 Ambient Light Sensor (ALS) - 色彩感測晶片 Color Temperature Sensor (RGB) - 閃頻偵測晶片 Flicker detection sensors • **微機電感測晶片 MEMS Sensor** - 加速度感測晶片 Accelerometer Sensor (GS)
Listing	Taipei Exchange Market (TPEx) 06/08/2020 (上櫃) Emerging Stock Market (TESM) 06/18/2019 (興櫃)

Milestones

Entry Level Market

- 2009: Established the team and aim at entry-level smart phone models
- 2010: **Launched Optical Product Lines:** Proximity (PS) & Ambient Light (ALS) sensors
- 2012: **Launched MEMS Product Line:** Accelerometers (g-sensors)
- 2013: Spinoff
- 2017: **Launched 2nd Gen. of Optical product:** Invisible solution (PS+ALS, All-in-1)
- 2018: **Launched 2nd Gen. of Optical product:** Under display & slit type PS+ALS solution

  Launched the 2nd Gen. of MEMS: Low-power G-sensors for smart phone

High-end Level Market

- 2019: **Launched the 3rd Gen. of Optical product:** RGB sensors for high-end front screen
- 2020: Listed at the Taipei Exchange Market (TPEx)
- **Launched the 3rd Gen. of Optical product:** RGB + flicker sensors for rear cameras
- 2021: Move to high-end models
- - Launched Optical high sensitivity PS+ALS (x10) for AMOLED screens

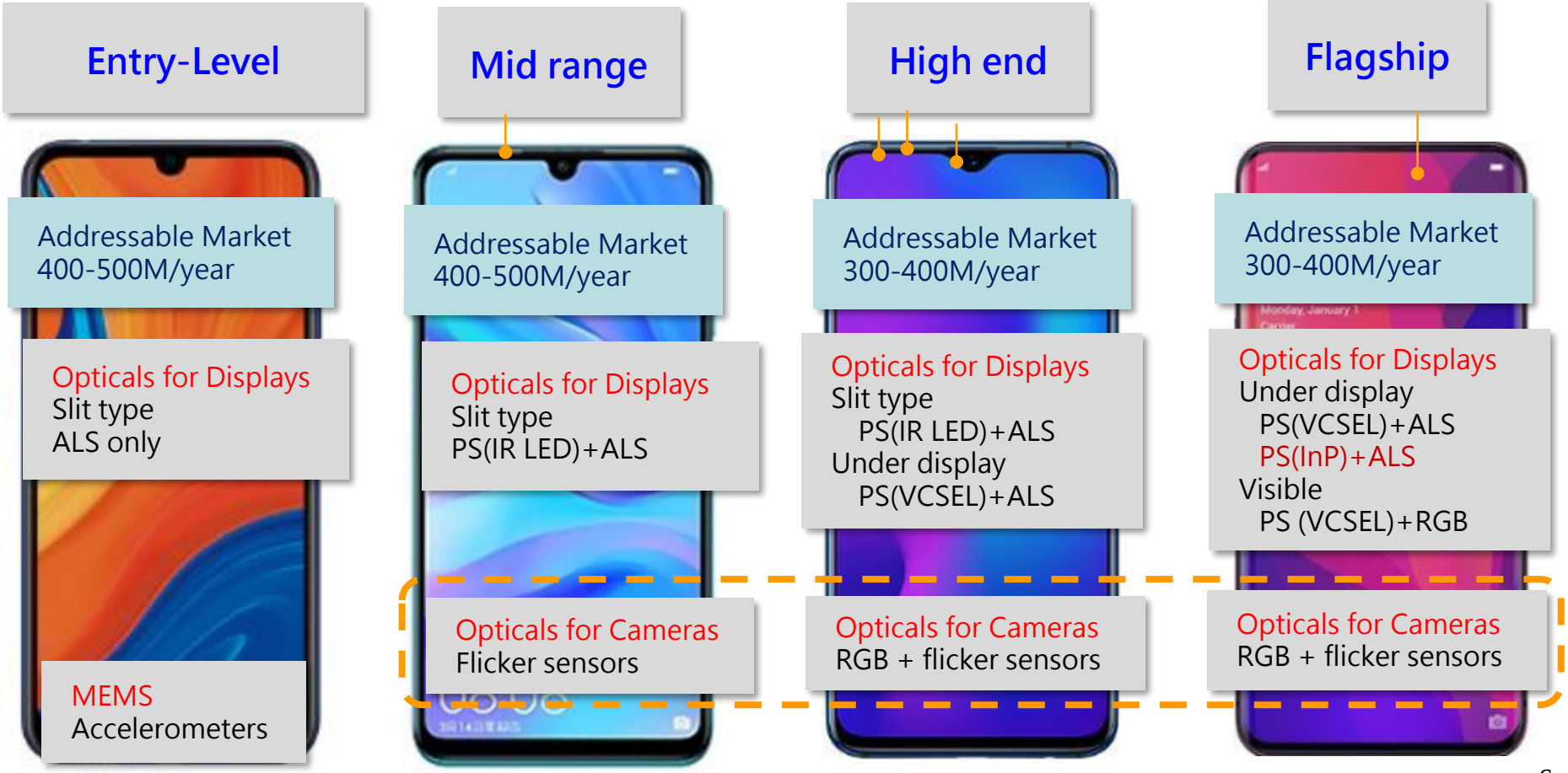
  - Launched Optical Under display & slit type PS+RGB for screens

2021: Three Smartphone Sensors

We are developing high-performance products and moving to high-end

2010 - 2018

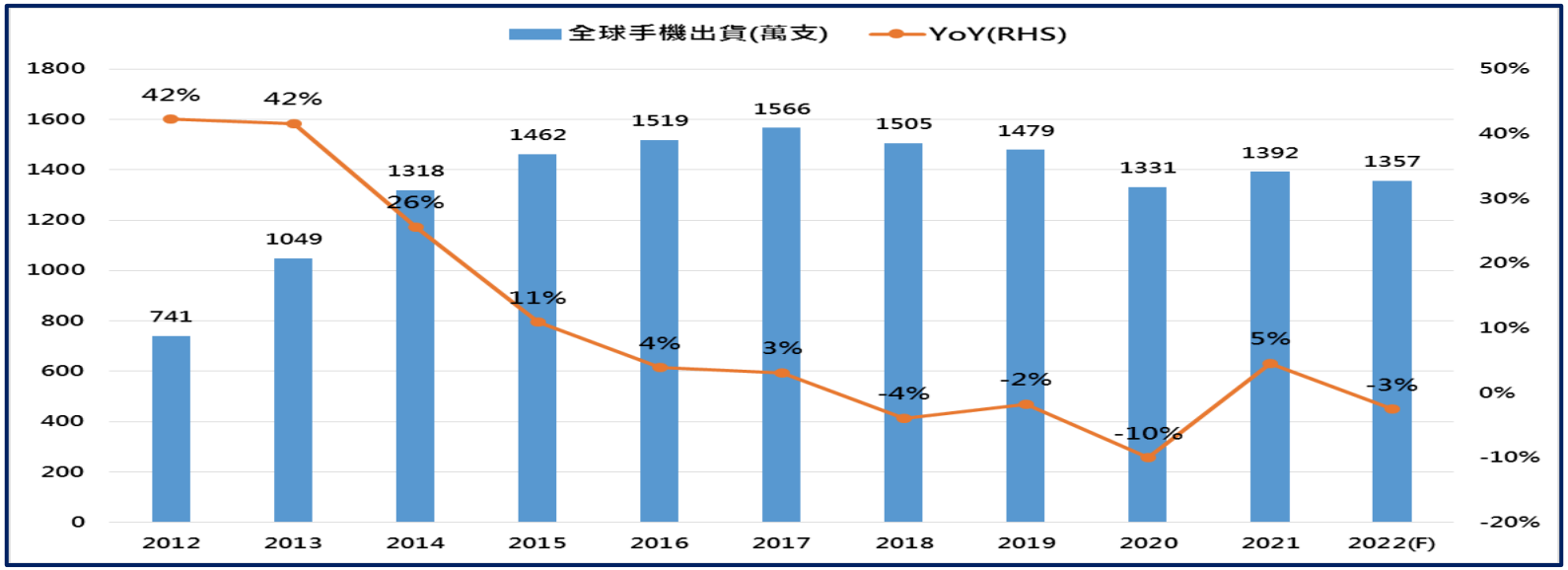
2018 – now

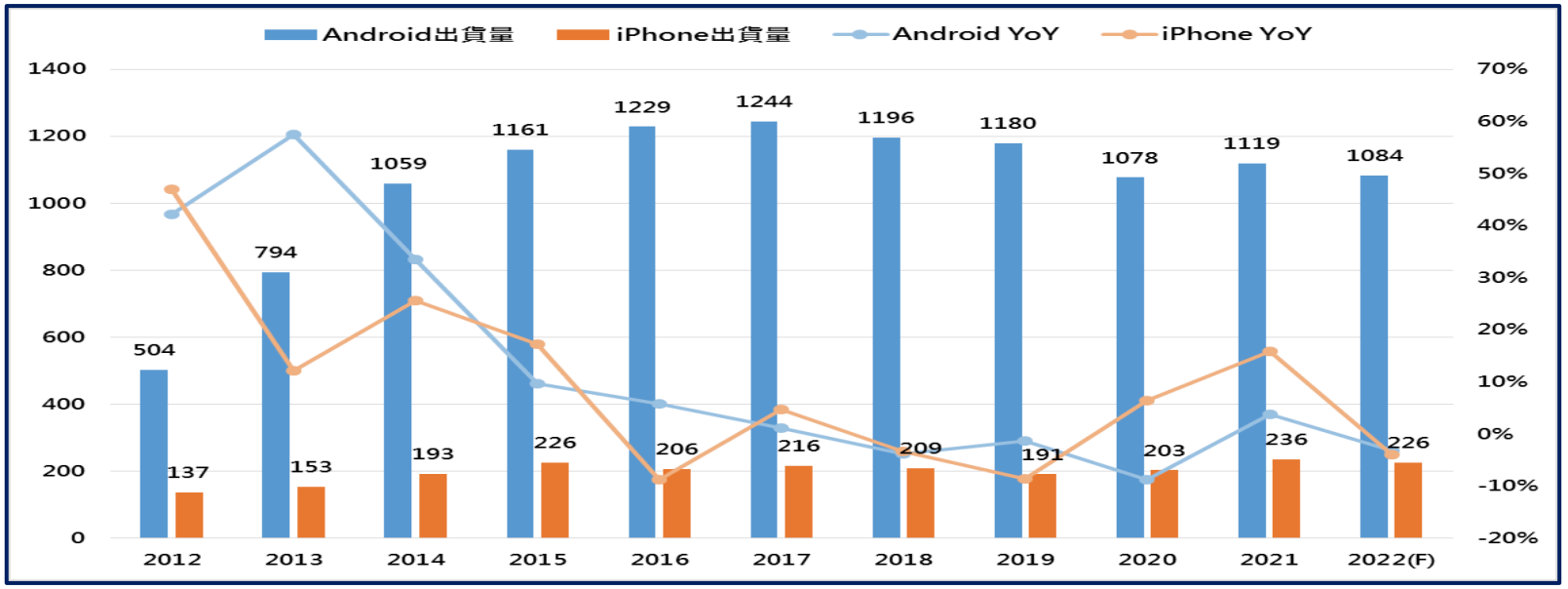


Ⅱ. Market Outlook

Appendix

WW Smartphone shipment forecast

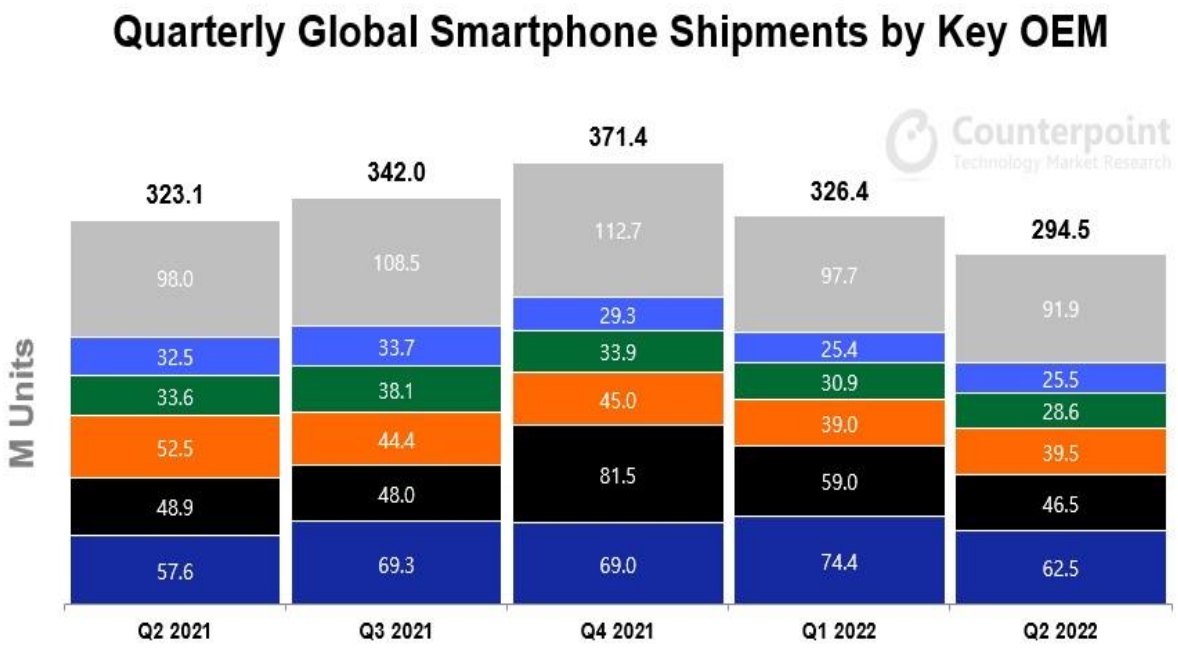


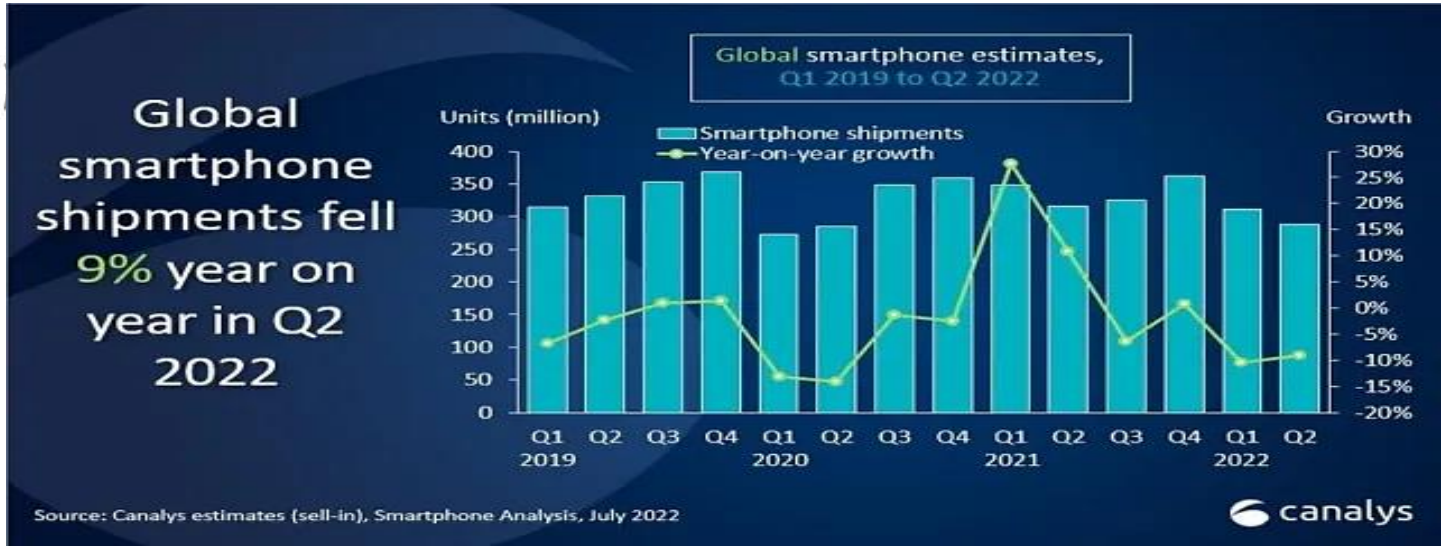


Source: IDC

Appendix

Q2 Smartphone shipment forecast





Ⅲ. Our Products

Optical Sensor for screens

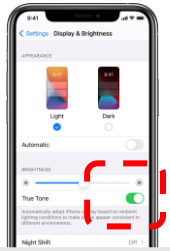
Optical sensor for displays :

Proximity Sensors (PS)
近接感測晶片 → 關屏防誤觸
turns off the display (anti-touch)

Ambient Light Sensors (ALS)
環境光感測晶片 → 調節螢幕亮度
... screen brightness control
G1: PS + ALS 2-in-1 visible solution (2010)
G2: PS + ALS 2-in-1 invisible solution (2018)
- Under-display 屏下方案 for AMOLED displays
- Slit type 狹縫方案 for TFT displays

Color temperature Sensors (RGB)
色溫感測晶片 → 調節螢幕色溫
... screen color temperature control
G3: PS + RGB sensors (2019)
G4: PS + RGB sensors (2021)
- Slit type & under display
- for better reading experience

PS + ALS shipment
2019 : >650M pcs
2020 : >720M pcs
2021 : >660M pcs



G1: PS + ALS visible solution 1x
G2: PS + ALS invisible solution → 3x → 6x → 10x (MP) (H sensitivity)
- Under-display solution for AMOLED

G3: PS + RGB visible solution (2019) 1x
G4: PS + RGB invisible solution (2021) 3x (MP)

Sensitivity & feature Upgrades → ASP Boosts
感度及功能提升 → 平均價格提升

Optical Sensor for Cameras

Optical sensor for Cameras :

3ch RGB sensor (2021 MP)
色溫感測晶片 → 協助後相機白平衡校正
white balance correction

Flicker detection sensors (2021 MP) --→ **Flicker + UV detection** -- under development
閃頻偵測晶片 → 協助消除光源物理閃爍
Flicker detection

3ch RGB sensor :

Camera RGB sensors are used for white balance correction.
Different light sources come with different color temperatures, which can create unrealistic color casts in photos. White balance is the process of removing such color casts so that objects that appear white in person are rendered white in the photo..
環境中充斥著各種不同的光線，這些光線有著不同的色溫，因此手機數位相機在進行拍照時，需要對這些光線進行校正，才能呈現出正常的白色。依據 RGB色溫感測器、影像感測器所測量的色溫來自動校正調整白平衡。

Flicker detection sensors :

Detects the 50 Hz or 60 Hz flickers produced by incandescent or fluorescent lights. Helps eliminate the streaks and distortion effects caused by the flickering.
檢測環境中由白熾燈或螢光燈所產生的50Hz或60Hz光源物理閃爍。協助手機攝像頭之圖像系統消除人造光源的閃爍而出現的條紋和失真效果。

MEMS Sensors

Accelerometers (G-sensors)

Rotation detection

加速度感測器 → 偵測屏幕旋轉方向

G-sensor shipment

2019 : >55M pcs
2020 : >80M pcs
2021: >120M pcs

- √ G-sensors for smartphones
- √ Low power g-sensors for wearable & IoT devices

Gyroscope sensor -- under development

Angular Momentum detection

角動量感測器 → 方向感測與方向維持應用

Barometric pressure sensor -- ready for MP

Atmospheric pressure detection

大氣壓力感測器 → 海拔高度(水深)感測

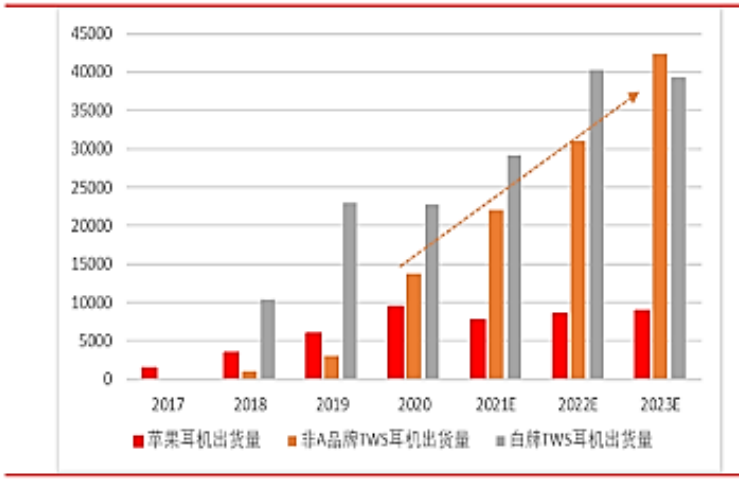
Wearable Devices : Optical + MEMS

True wireless stereo (TWS) earbuds

Accelerometers → click detection 敲擊偵測
Proximity sensors → on/off switch 功能啟用開關

敲擊偵測 Click detection

- **有來電時 Incoming call**
  單擊接聽 Click to answer
  雙擊拒接 Double click to reject
- **音樂播放 Music mode**
  單擊暫停 Click to pause
  雙擊換曲 Double click to switch

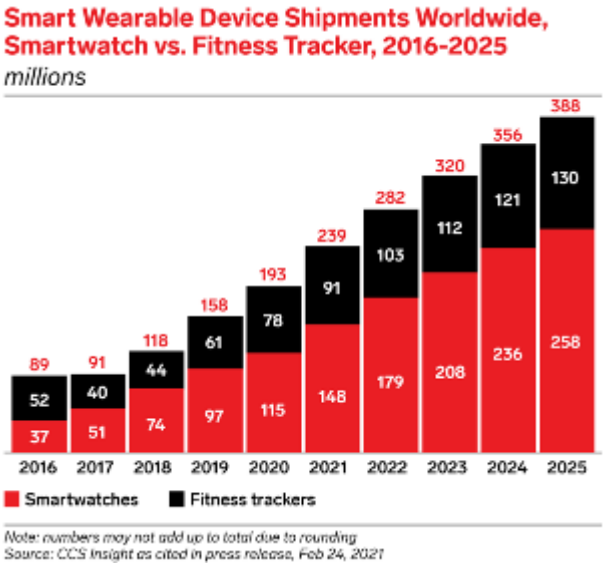


Smart watches & fitness trackers

Accelerometers → motion detection 移動偵測
Optical sensors → heartbeat detection 心律偵測 & UV sensors

抬手亮屏 / 動態心率輔助
Heartbeat detection

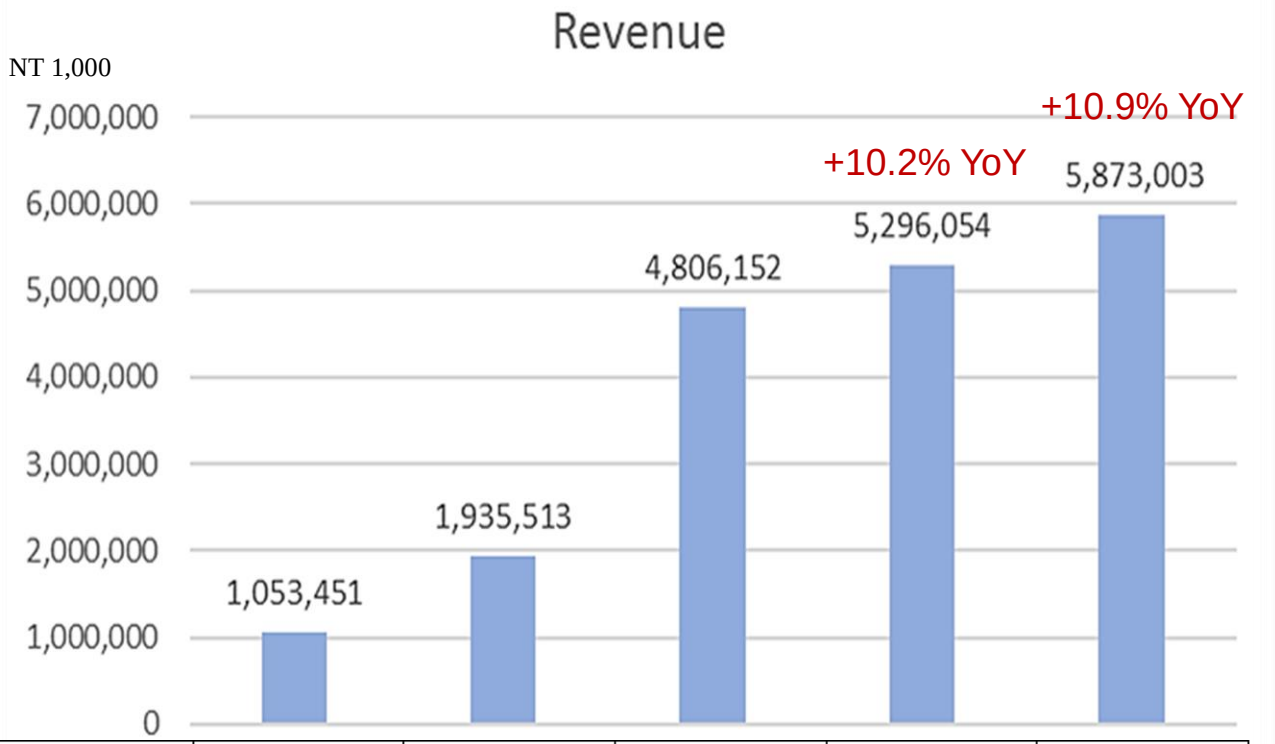
睡眠偵測 / 久坐提醒
Sleep quality monitoring



參考附件僅供示意參考
For illustration purposes only.

Ⅳ. Financial Performance

6732 Financial Performance



	2017	2018	2019	2020	2021
Revenue	1,053,451	1,935,513	4,806,152	5,296,054	5,873,003
Gross Margin	158,184	649,442	2,018,872	2,127,828	2,691,031
Margin Rate (%)	15%	34%	42%	40%	46%
Operating Income	8,751	366,646	1,497,236	1,537,189	1,900,070
Net Income	5,309	326,275	1,322,900	1,365,454	1,661,349
EPS (NT$)	**0.14**	**8.64**	**35.01**	**28.81**	**33.97**

+18% YoY

Note: The EPS values listed here are based on the capital of 37,781 thousand shares.

Cash dividend : 30 ntd

6732 Income Statement

Item	Q2 22		Q1 22		Q1~Q2 22		Q2 21		Q1~Q2 21	
	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	1,120,789	-	1,348,773	-	2,469,562		1,498,477	-	2,767,018	-
Gross Profit	472,805	42%	573,143	42%	1,045,948	42%	724,261	48%	1,237,217	44%
Operating Expense	184,371	16%	192,467	14%	376,838	15%	199,247	13%	367,153	13%
Operating Income	288,439	26%	380,681	28%	669,120	27%	525,018	35%	870,073	31%
Income before Tax	300,850	27%	411,907	30%	712,757	29%	536,490	36%	887,167	32%
Net Income*	250,480	22%	339,146	25%	589,626	24%	450,917	30%	746,485	27%
EPS	5.12		6.93	-	12.05		9.22	-	15.26	-

Unit: NT$ thousands (except EPS)
Accounting standard: IFRS

* Listed on the English translation of our financial statements as "Profit (loss), attributable to owners of parent"

6732 Balance Sheet

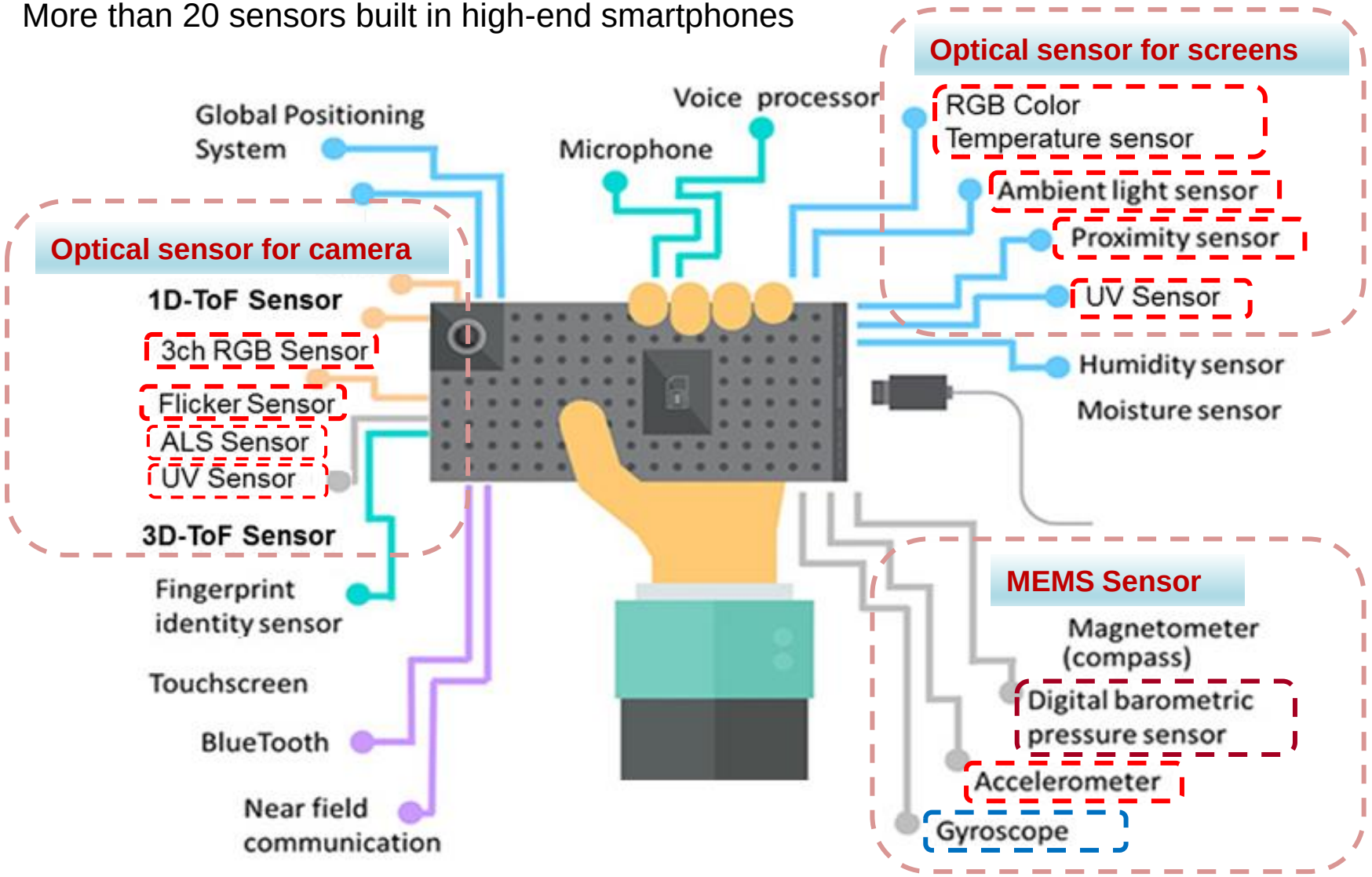
Item	2022/6/30	2022/3/31	2021/12/31	2021/9/30	2021/6/30
Total Assets	6,044,244	7,790,405	7,220,887	6,973,430	7,034,889
Current Assets	4,521,772	6,341,047	5,817,181	5,628,478	5,738,903
Cash & Equivalents	1,814,430	2,227,118	1,975,445	2,338,478	3,402,027
AR	550,799	1,005,550	774,850	814,803	489,591
Inventory	1,020,337	771,698	678,295	413,657	425,377
Total Liability	1,819,711	3,769,979	2,063,124	2,168,520	2,793,386
AP	858,760	827,740	849,328	914,921	802,201
Shareholder Eqt.	4,224,533	4,020,426	5,157,763	4,804,910	4,241,503

Unit: NT$ thousands
Accounting standard: IFRS

Ⅴ. Future Development

Stay Tuned

More than 20 sensors built in high-end smartphones

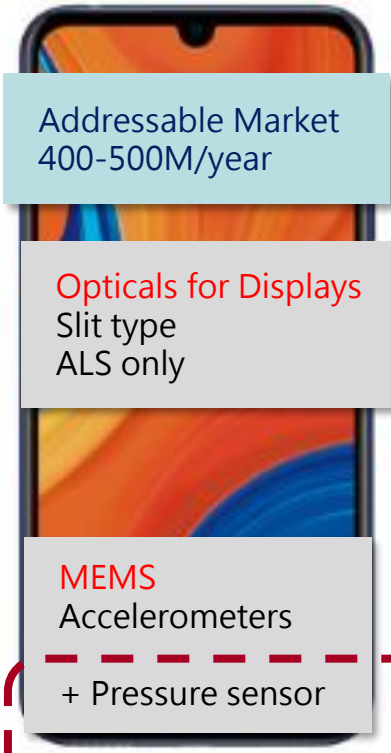


Going Forward

2010 - 2018

2018 – 2022/23

Entry-Level

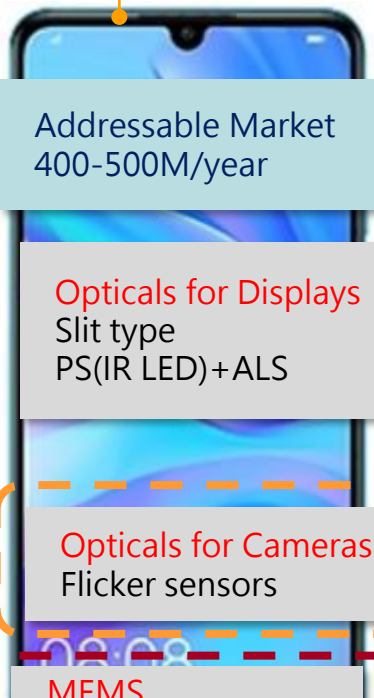


Addressable Market
400-500M/year

Opticals for Displays
Slit type
ALS only

MEMS
Accelerometers
+ Pressure sensor

Mid range



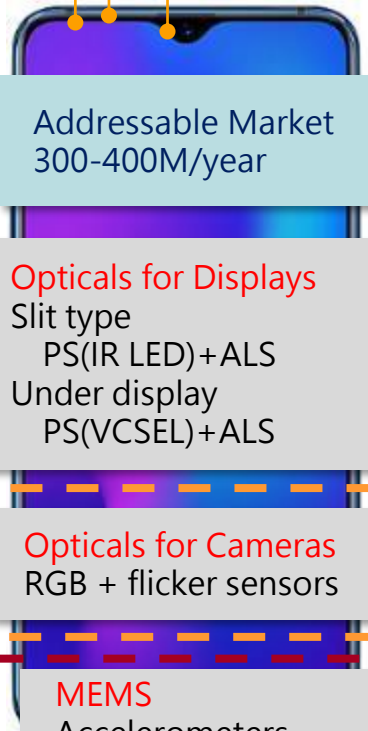
Addressable Market
400-500M/year

Opticals for Displays
Slit type
PS(IR LED)+ALS

Opticals for Cameras
Flicker sensors

MEMS
Accelerometers
+ Gyroscopes
+ Pressure sensor

High end



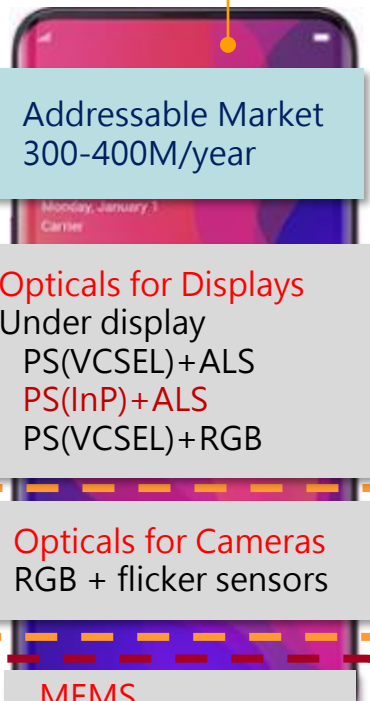
Addressable Market
300-400M/year

Opticals for Displays
Slit type
PS(IR LED)+ALS
Under display
PS(VCSEL)+ALS

Opticals for Cameras
RGB + flicker sensors

MEMS
Accelerometers
+ Gyroscopes
+ Pressure sensor

Flagship



Addressable Market
300-400M/year

Opticals for Displays
Under display
PS(VCSEL)+ALS
PS(InP)+ALS
PS(VCSEL)+RGB

Opticals for Cameras
RGB + flicker sensors

MEMS
Accelerometers
+ Gyroscopes
+ Pressure sensor

Sensor growth opportunities

1. Optical sensor for smartphone screens :
   - High sensitivity PS+ALS (x6, x10) → x15 new PS+ALS for more high-end AMOLED models
   - PS+RGB (with ALS) → G4 PS+RGB sensor in high-end smartphone

2. Optical sensor for smartphone rear Cameras :
   - RGB sensors → white balance correction in more high-end smartphone
   - flicker sensors → in more high-end smartphone

3. MEMS sensors in smartphone :
   - G sensors → enlarge entry-level smartphone market
   - Pressure sensor → in wearable devices & smartphone market
   - Gyroscope sensors (under development)
     → to entry of mid-to-high-end smartphones

4. Extend to other applications :
   - TWS: PS & G-senspr
   - Smart watches: ALS+UV, heartbeat sensor, G-sensor , Pressure sensor
   - Smart speakers: ALS
   - AR & VR glasses : PS & Gyroscopes

   ...and more (e.g. auto & industrial)

Thank You

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