Sensortek Technology Corp.
Investor Conferences

6732

昇佳電子股份有限公司

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- 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.

- Sensortek does not undertake any obligation to publicly update any forward-looking statement to reflect events or circumstances after the date on which any such statement is made or to reflect the occurrence of unanticipated events.

Agenda

Ⅰ. Company Introduction

Ⅱ. Our Products

Ⅲ. Financial Performance

Ⅳ. 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) - 壓力感測器 Barometric pressure sensor
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 smartphone

High-end Level Market

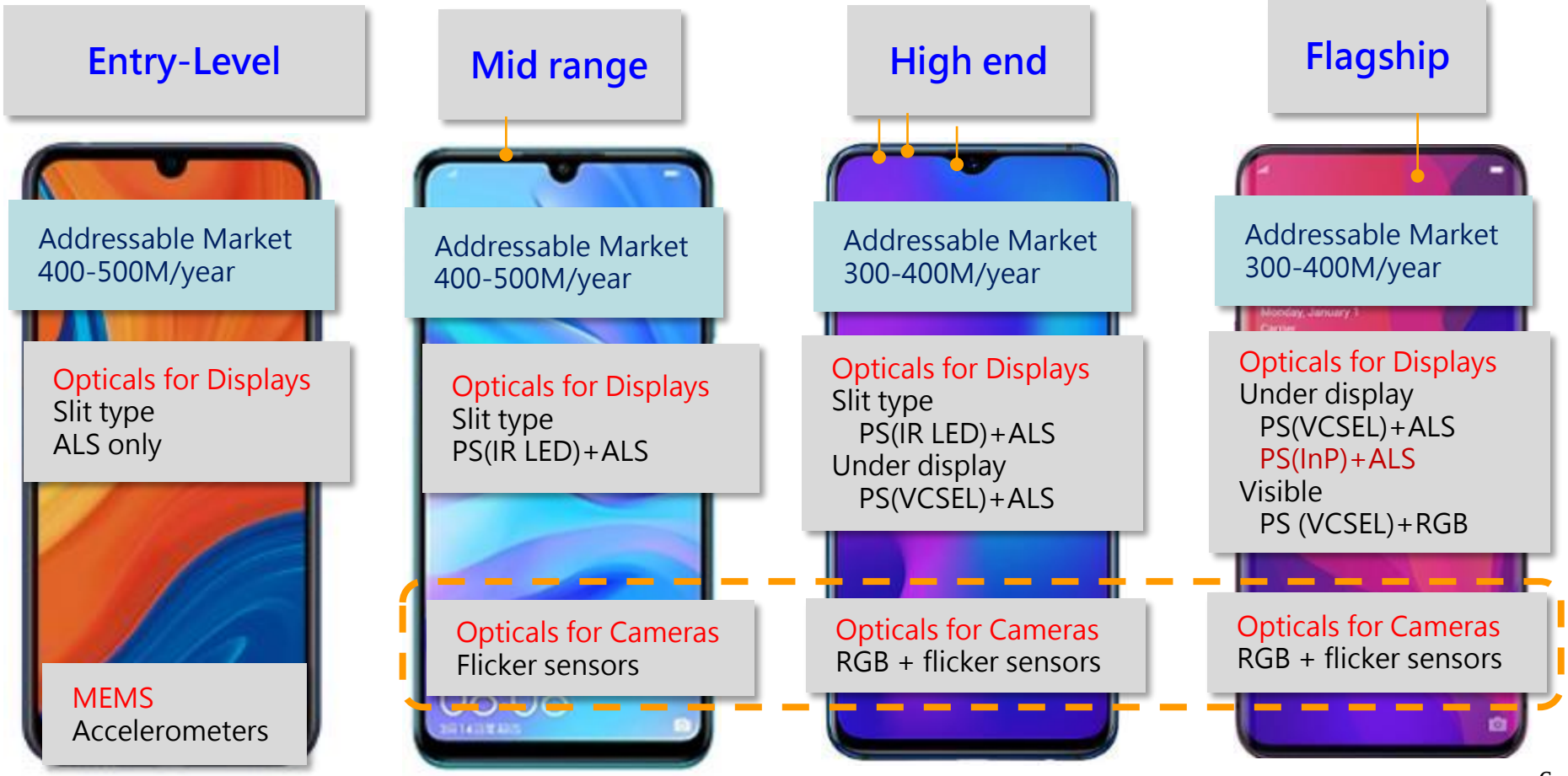
- 2019: Launched the 3rd Gen. of Optical product: RGB sensors for high-end front screen
- 2020: Listed at the Taipei Exchange Market (TPEx)
  Launched the 3rd Gen. of Optical product: RGB + flicker sensors for rear cameras
- 2021: Move to high-end models
  - Launched Optical high sensitivity PS+ALS (x10) for AMOLED screens
  - Launched Optical InP (1300nm) PS+ALS solution for AMOLED screens
- 2022: more sensors to high-end models
  - Launched Optical high sensitivity PS+ALS (x15) for AMOLED screens
  - Launched Optical flicker + UV sensor for rear cameras
  - Launched MEMS pressure sensor for smartphone

2022: Three Smartphone Sensors

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

2010 - 2018

2018 – now

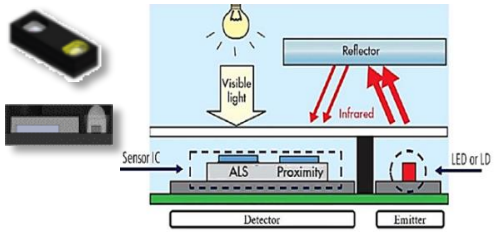


II. Our Products

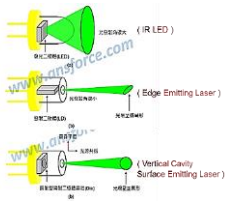
Optical Sensor for screens

Optical sensor for displays :

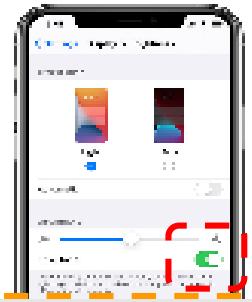
Proximity Sensors (PS)
近接感測晶片 → 關屏防誤觸
turns off the display (anti-touch)



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



附件照片僅供示意參考
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Sensitivity upgrades → ASP Boosts
(感度提升 → 價格提升)

G2: PS + ALS invisible solution
→ 6x (2020) → 10x (2021) → 15x (2022 MP) → 20x under development
- **under display solution** for AMOLED screen → multi emitter solution or **enhance Rx PD sensitivity solution**
- **white spot reduce solution** for AMOLED screen → multi emitter solution or **InP (1300nm) PS+ALS solution**

G4: PS + RGB invisible solution → 2022 MP ...

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)
閃頻偵測晶片 → 協助消除光源物理閃爍
Flicker detection

→ **Flicker + UV detection** (ready for MP)

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。

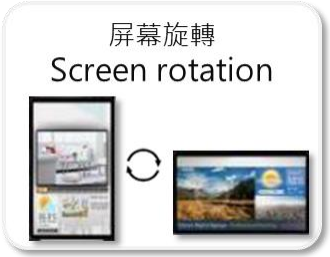
MEMS Sensors

Accelerometers (G-sensors)

Rotation detection

加速度感測器 → 偵測屏幕旋轉方向

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



Barometric pressure sensor -- ready for MP

Atmospheric pressure detection

大氣壓力感測器 → 海拔高度(水深)感測

Gyroscope sensor -- under development

Angular Momentum detection

角動量感測器 → 方向感測與方向維持應用

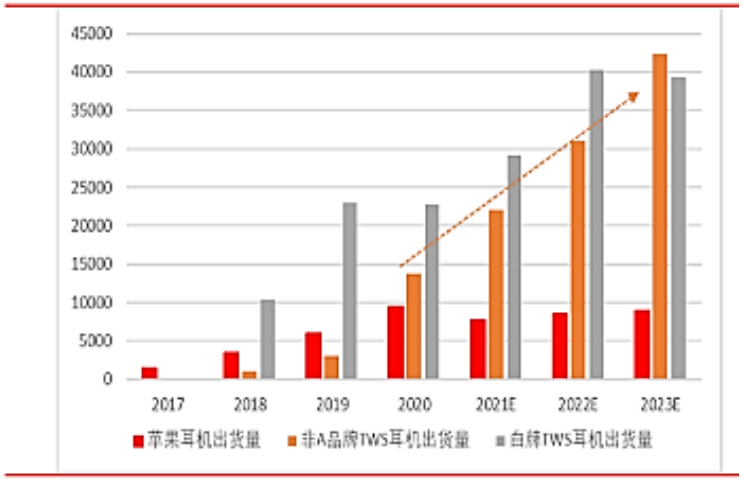
Wearable Devices : Optical + MEMS

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

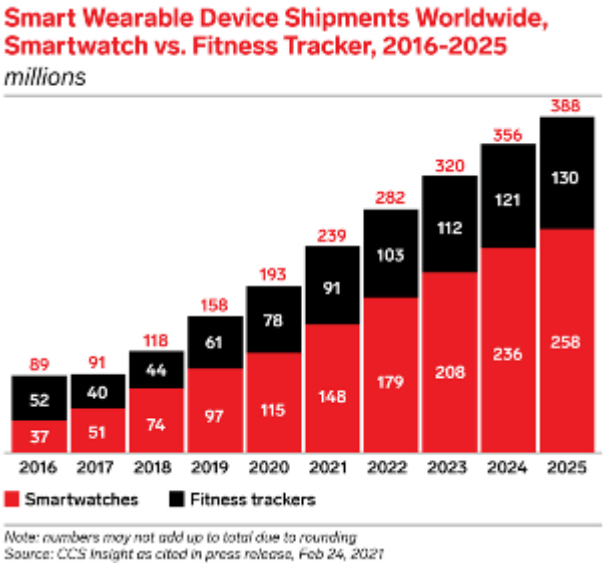


Smart watches & fitness trackers

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
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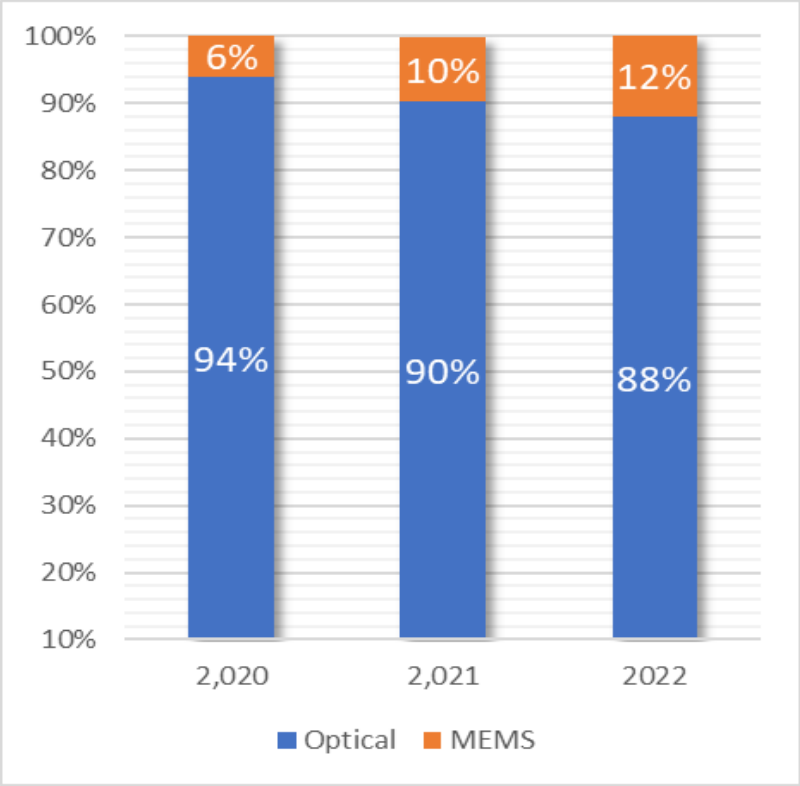
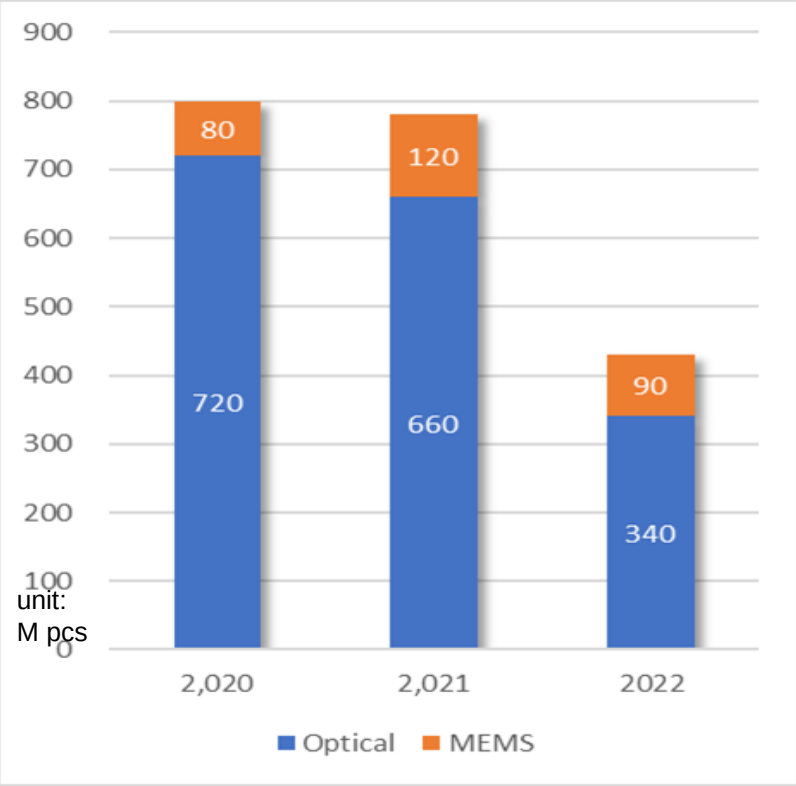
III. Financial Performance

Sensor Product Mix

product mix - sales contribution



product mix - shipment



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Item	Q1 23		Q1~Q4 22		Q4 22		Q3 22		Q2 22		Q1 22	
	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	871,830	-	4,025,559		800,126	-	755,871	-	1,120,789	-	1,348,773	-
Gross Profit	245,296	28%	1,562,125	39%	249,094	31%	267,083	35%	472,805	42%	573,143	42%
Operating Expense	142,133	16%	670,661	17%	143,508	18%	150,315	20%	184,371	16%	192,467	14%
Operating Income	103,168	12%	891,485	22%	105,592	13%	116,773	15%	288,439	26%	380,681	28%
Income before Tax	123,178	14%	990,783	25%	113,165	14%	164,861	22%	300,850	27%	411,907	30%
Net Income*	105,773	12%	842,773	21%	106,195	13%	146,952	20%	250,480	22%	339,146	25%
EPS	2.16	-	17.23		2.18		3.00		5.12		6.93	

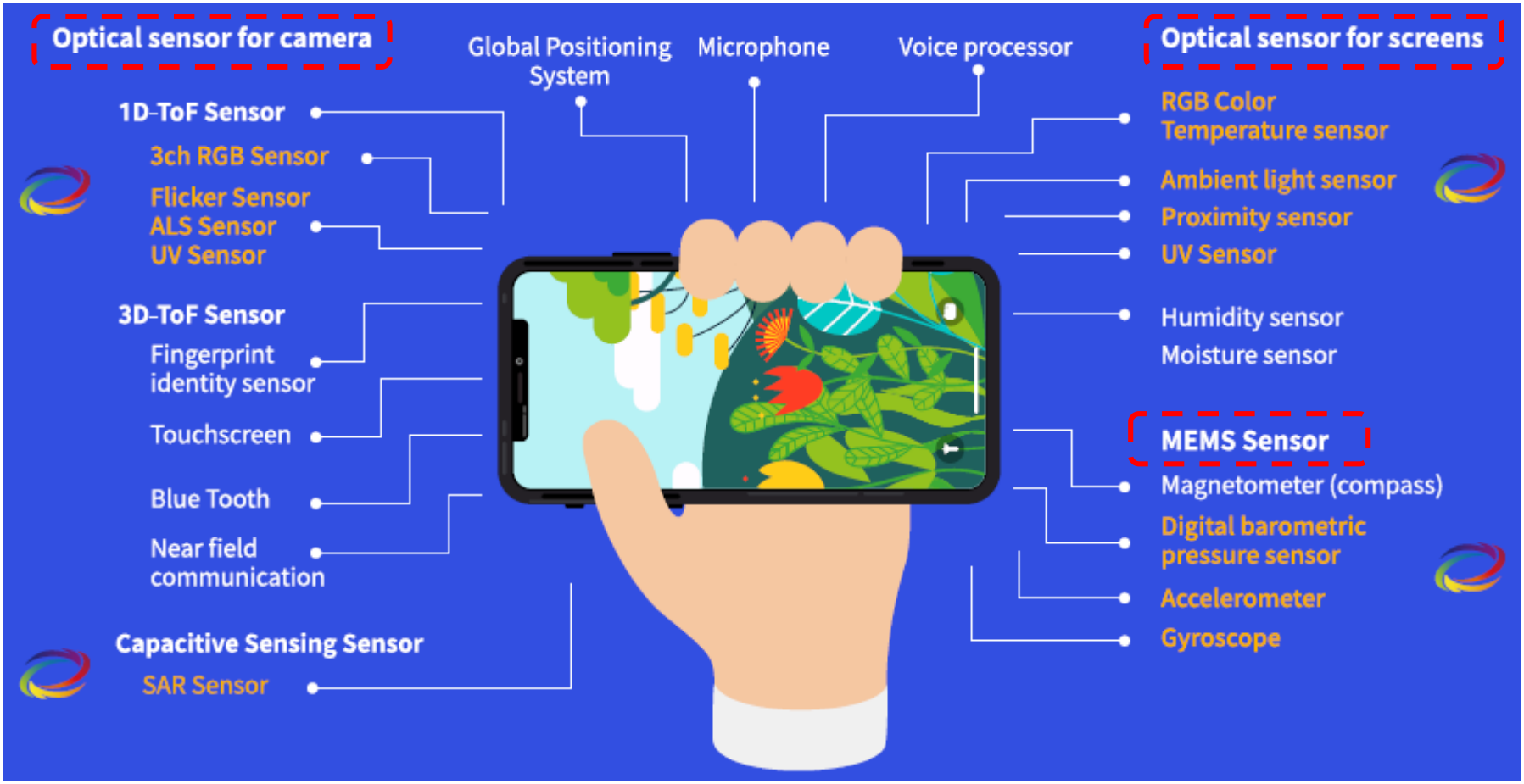
Unit: NT$ thousands (except EPS)
Accounting standard: IFRS

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

Ⅳ. Future Development

Stay Tuned

More than 20 sensors built in high-end smartphones

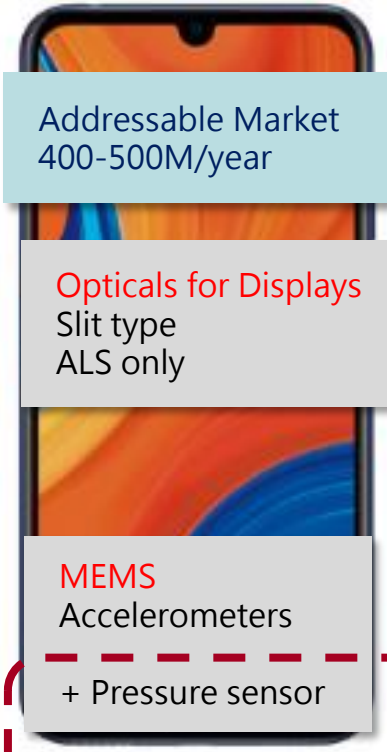


Going Forward

2010 - 2018

2018 – 2022/23

Entry-Level

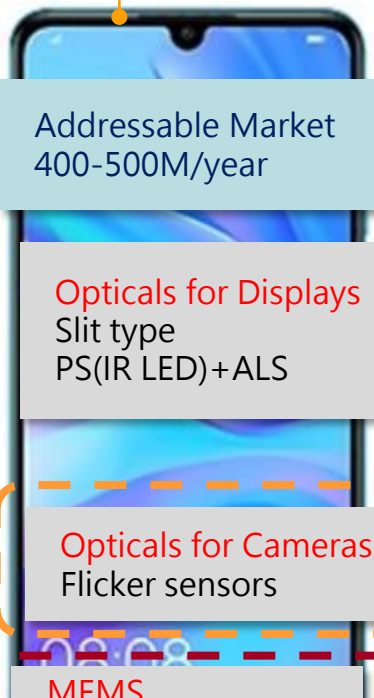


Addressable Market
400-500M/year

Opticals for Displays
Slit type
ALS only

MEMS
Accelerometers
+ Pressure sensor

Mid range



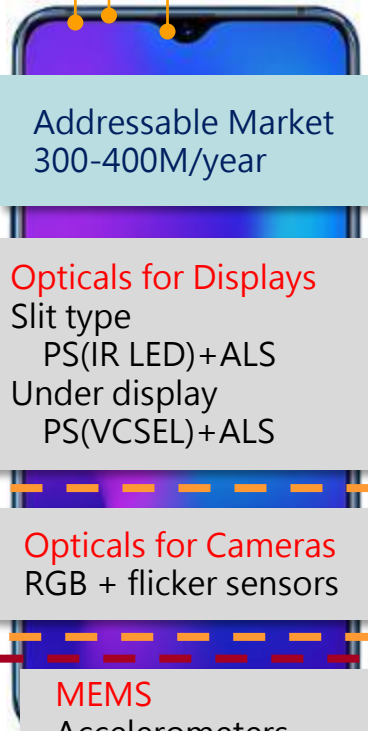
Addressable Market
400-500M/year

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

Opticals for Cameras
Flicker sensors

MEMS
Accelerometers
+ Gyroscopes
+ Pressure sensor

High end



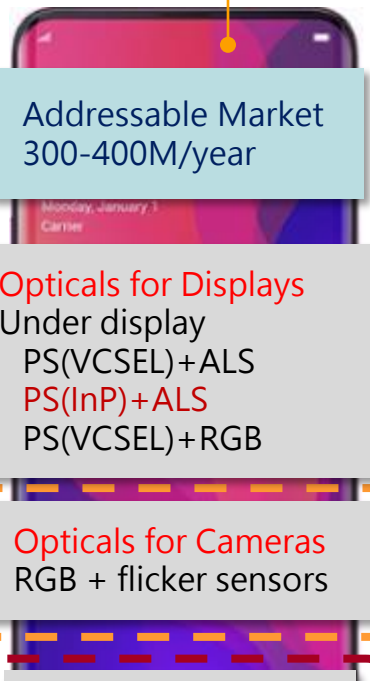
Addressable Market
300-400M/year

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

Thank You

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