



Ticker: 6732

**Sensortek Technology Corp.**

**Investor Conferences**

# Disclaimer

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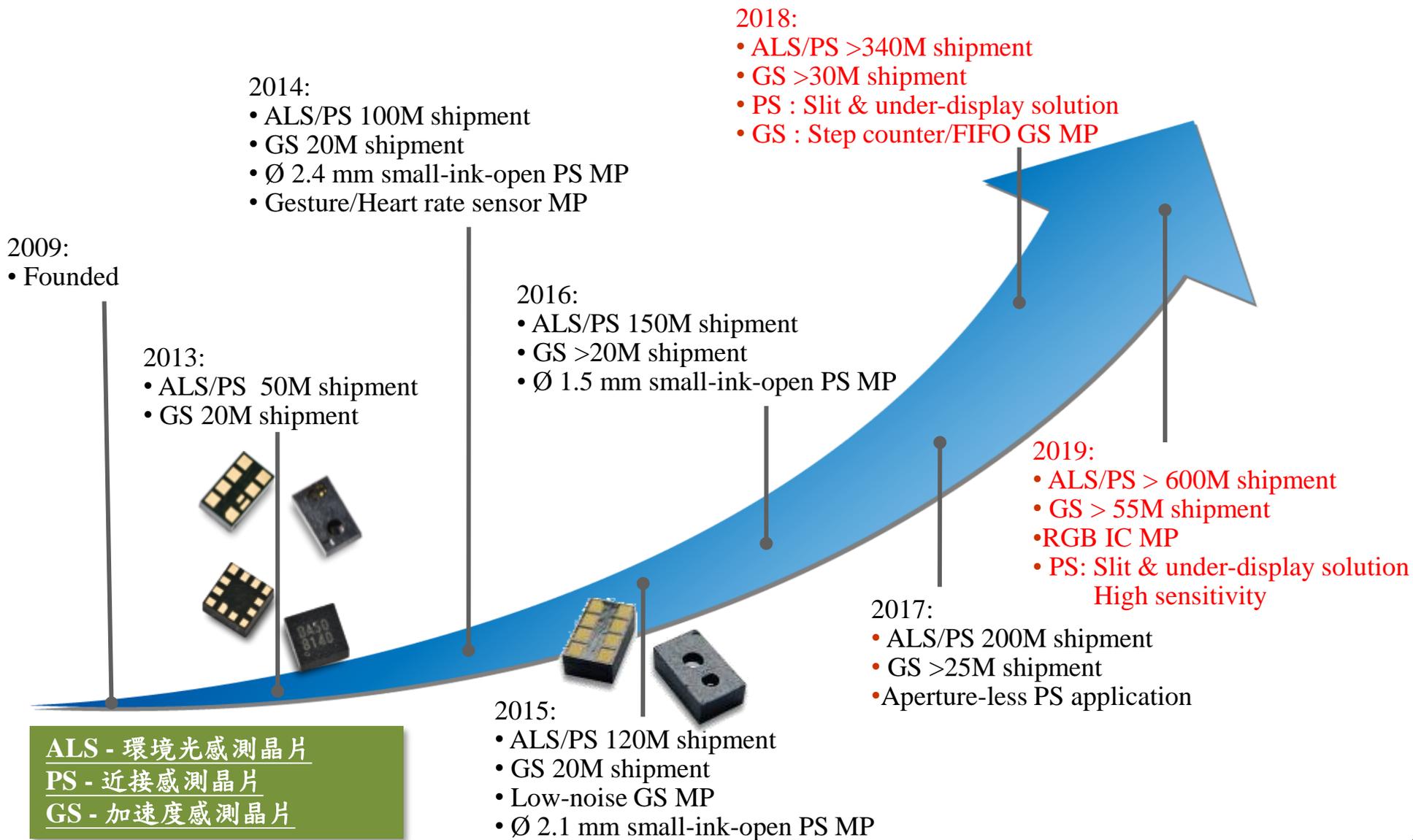
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# **I. Company Introduction**

# About Us

<b>Company Name</b>	Sensortek Technology Corp.
<b>Founded</b>	December 1, 2009
<b>Capitalization</b>	NT377,813,480
<b>Chairman and CEO</b>	Sheng-Su Lee
<b>Number of Employees</b>	133
<b>Location</b>	Tai Yuen Hi-Tech Industrial Park, Jhubei City, Hsinchu County
<b>Products</b>	<ul style="list-style-type: none"><li>• <b>Optical Sensors</b><ul style="list-style-type: none"><li>- Ambient Light Sensors (ALS)</li><li>- Proximity Sensors (PS)</li><li>- Color Temperature Sensors (RGB)</li></ul></li><li>• <b>MEMS Sensors</b><ul style="list-style-type: none"><li>- Accelerometer Sensors (GS)</li></ul></li></ul>

# Milestones



## **II. Our Products**

# Optical Sensors

## Ambient Light Sensors

→ screen brightness control  
 環境光感測晶片 → 調節螢幕亮度



### Optical sensor shipment

2017: >200M  
 2018: >340M  
 2019: >600M

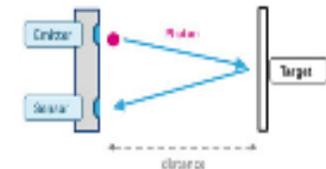
## Proximity Sensors

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

- PS (w/T) + ALS visible sensor solution
- PS (w/T) + ALS invisible solution
  - ✓ Under-display solution (屏下方案) → AMOLED displays
  - ✓ Slit type (狹縫方案) → TFT displays
- PS (w/T) + RGB

## RGB Sensors

→ screen color temperature control  
 色彩感測晶片 → 調節螢幕色溫



16:9 screen



Bezel-less screen



# ALS / PS Layout Trends

## Waterdrop Screen

狹縫(Slit) ALS/PS

狹縫(Slit) PS / 屏下 ALS

前攝旁 ALS/PS

(Aside of Front Facing Camera)



## Bezel-less Screen

屏下(Under-display) ALS/PS

狹縫 (Slit) PS / 屏下 Under-display ALS



# MEMS Sensors

## Accelerometer Sensors (GS)

→ Rotation detection

加速度感測晶片 → 屏幕旋轉偵測

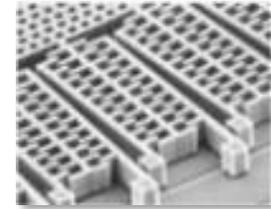


### GS shipment

2017: >25M

2018: >30M

2019: >55M



√ GS for smartphones

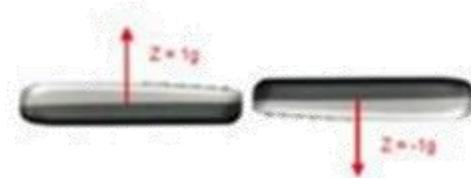
√ Low-power GS for wearable & IoT devices



Screen rotation



Automatic mute



Game control



Gesture detection



Answering aid



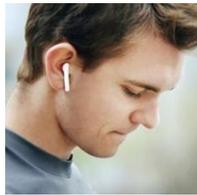
# Optical Sensors + G Sensors

## Wearable Devices and other Applications

### True Wireless Stereo (TWS) earphones

Accelerometer sensor → click detection

P-sensor → on/off switch



FreeBuds 3

Click detection

- Incoming call  
Click to answer  
Double click to reject
- AI assistant  
Click to pause  
Double click to switch

### Smart watches & fitness trackers

Accelerometer sensor → motion detection

Optical sensor → heartbeat detection



運動偵測 / 計步  
Motion detection



抬手亮屏 / 動態心率輔助  
Heartbeat detection

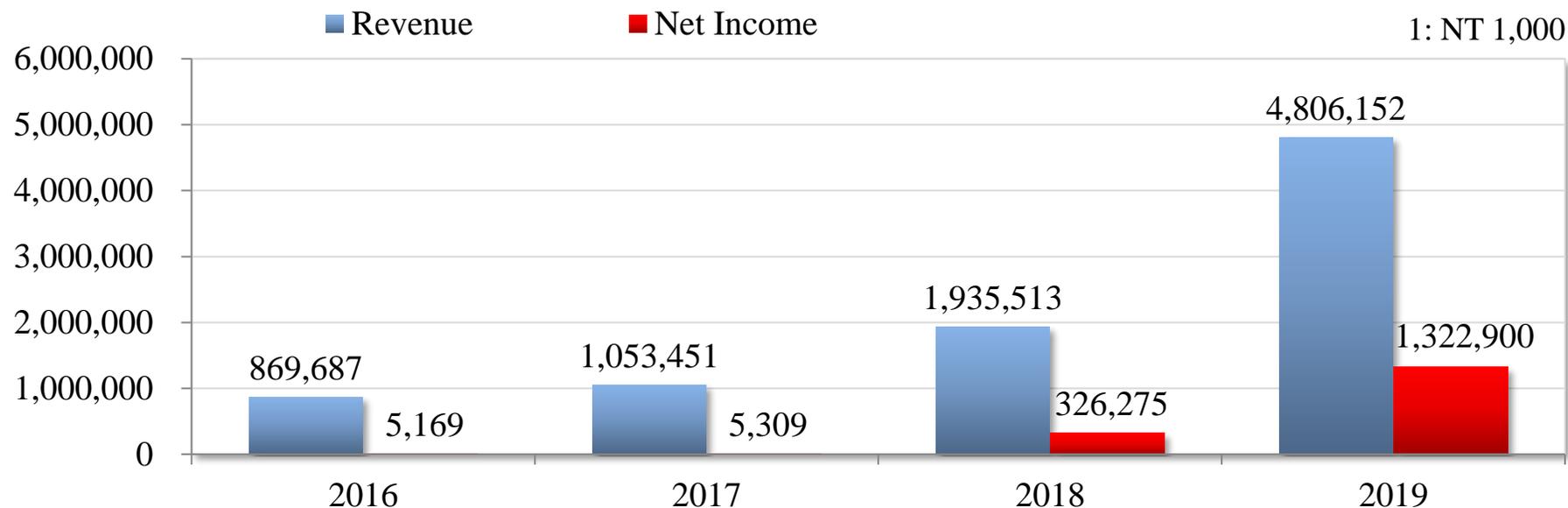


睡眠偵測 / 久坐提醒  
Sleep quality monitoring



# **III. Financial Performance**

# Financial Performance



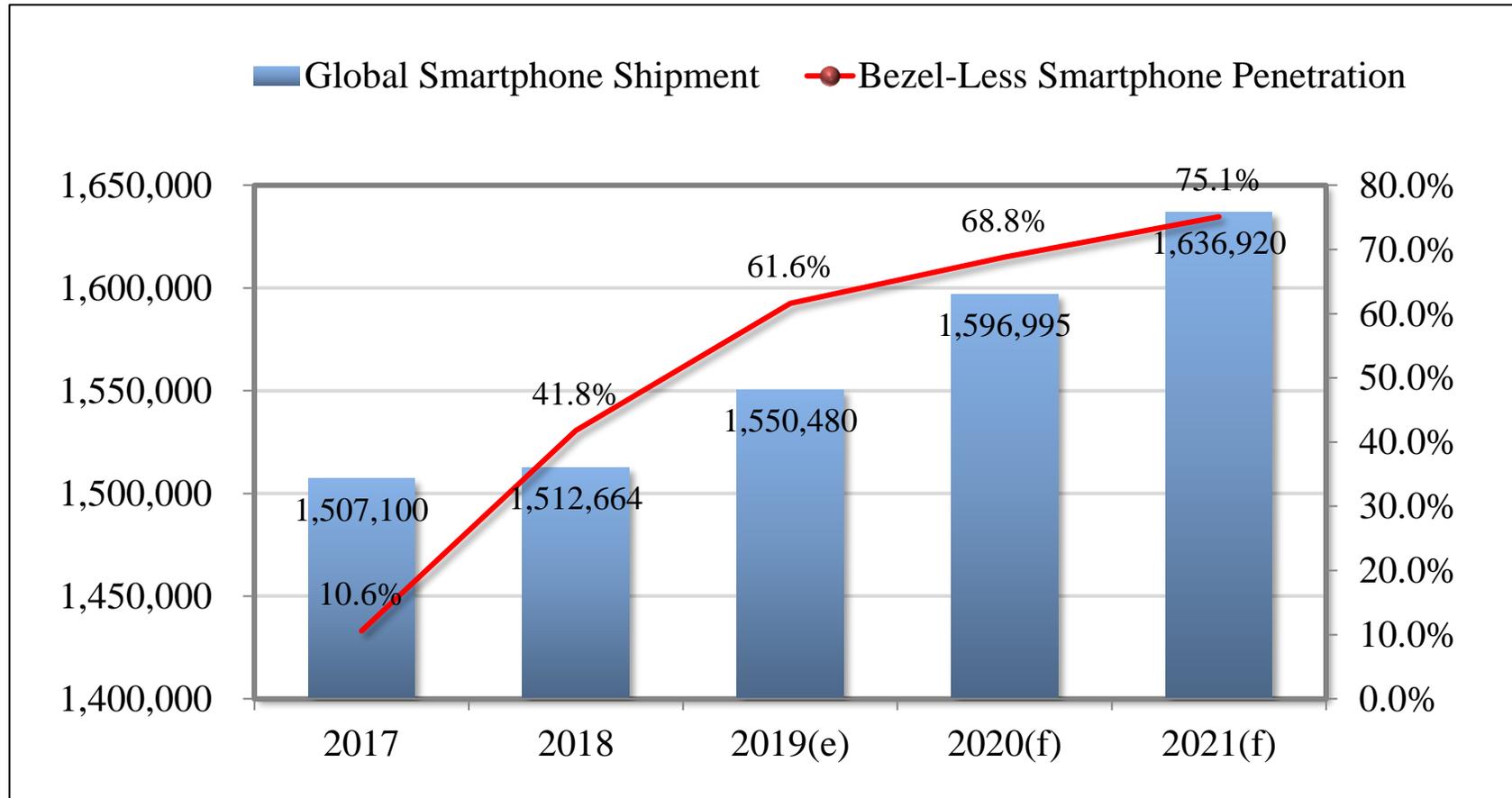
Item	2016	2017	2018	2019
Revenue	869,687	1,053,451	1,935,513	4,806,152
Gross Margin	137,375	158,184	649,442	2,018,872
Gross Margin %	15.80%	15.02%	33.55%	42.00%
Operating Income	4,931	8,751	366,646	1,497,236
EBIT	5,874	5,601	372,357	1,508,063
Net Income	5,169	5,309	326,275	1,322,900
EPS (NT Dollars)	0.14	0.14	8.64	35.01

Note: EPS is adjusted by current capital 37,781 thousand shares.

# **IV. Market Trends and Positioning**

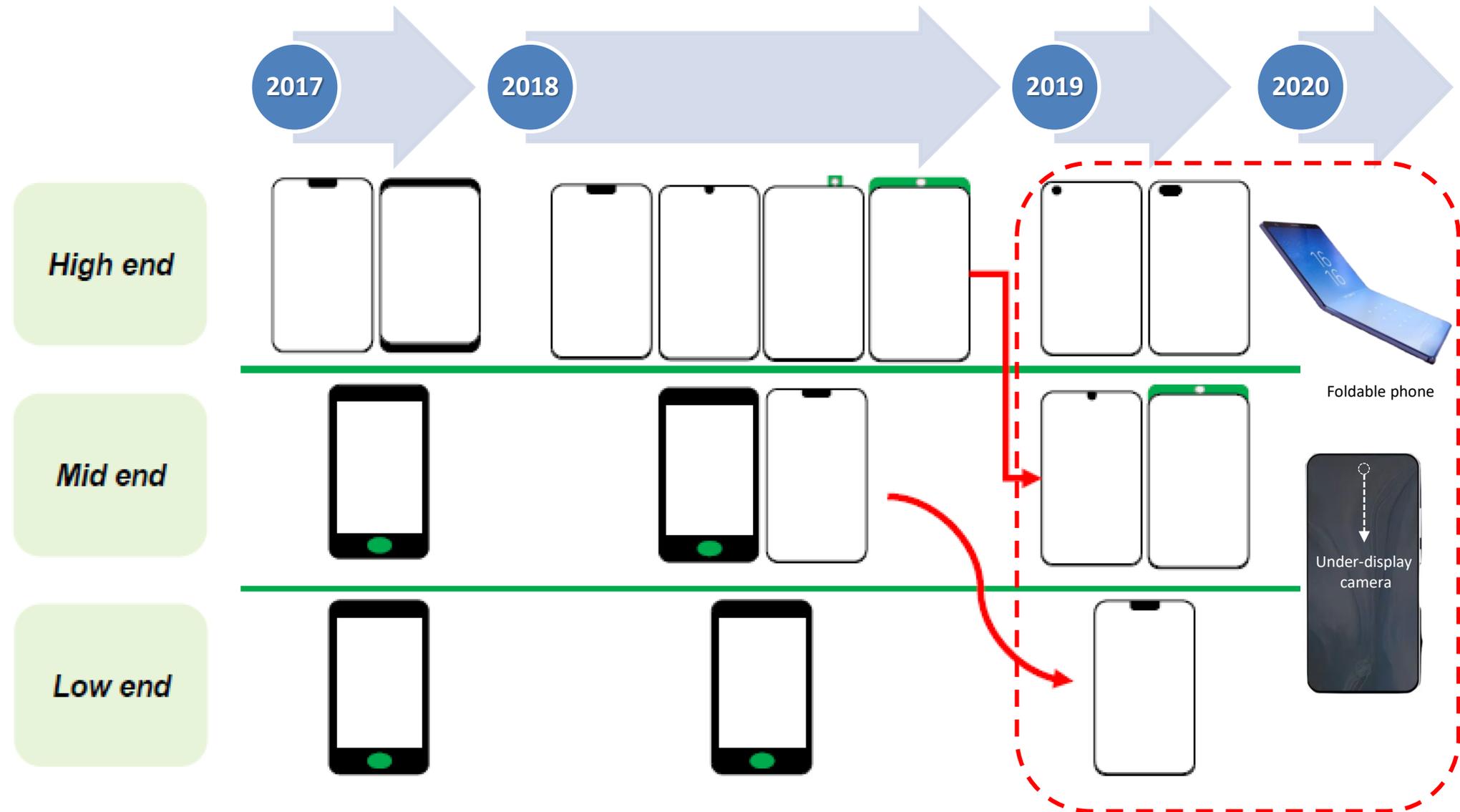
# Smartphone Market Scale & Trends

1: 1,000



Source: IEK

# Bezel-less Smartphones: The Under-Display Solution



# **V. Future Development**

# Going Forward

## 1. PS + ALS for front displays → 協同前螢幕之應用

- Under-display PS (屏下方案) + ALS → for AMOLED displays
- Slit type PS (狹縫方案) + ALS → for TFT displays
- PS+RGB sensors (更精準色溫偵測 more precise light detection)

## 2. Optical sensors for rear cameras → 協同後相機之應用

- RGB sensors (白平衡校正 white balance correction)
- RGB + flicker sensors

## 3. Other applications → 延伸至非手機之應用

- Smart watches, fitness trackers, TWS, etc.

## 4. Speeding up MEMS development → 加速MEMS產品線

- Gyroscopes
- A + Gyro (2 in 1) for high-end smartphones

# **VI. Corporate Governance**

# Corporate Governance

- Organization: 4 directors and 3 independent directors
- The Company has established an audit committee and a compensation committee.
- Complies with "Corporate Governance Best Practice Principles for TWSE/TPEX Listed Companies" to stipulate the following rules:
  - 1) Ethical Corporate Management Best Practice Principles
  - 2) Rules and Procedures of Shareholders Meeting
  - 3) Rules and Procedures of Board of Directors Meeting
  - 4) Election Procedure of Directors
  - 5) Audit Committee Charter
  - 6) Compensation Committee Charter

**Thank You**