

Investor Conferences

Q2 2020

Sitronix Technology Corp.
矽創電子股份有限公司
8016: TT

Sitronix

About Us

Company Name	Sitronix Technology Corp.
Established	July 9, 1998
Capitalization	USD 40 million
Chairman and CEO	Vincent Mao
IPO Listing	December 25, 2003 (8016)

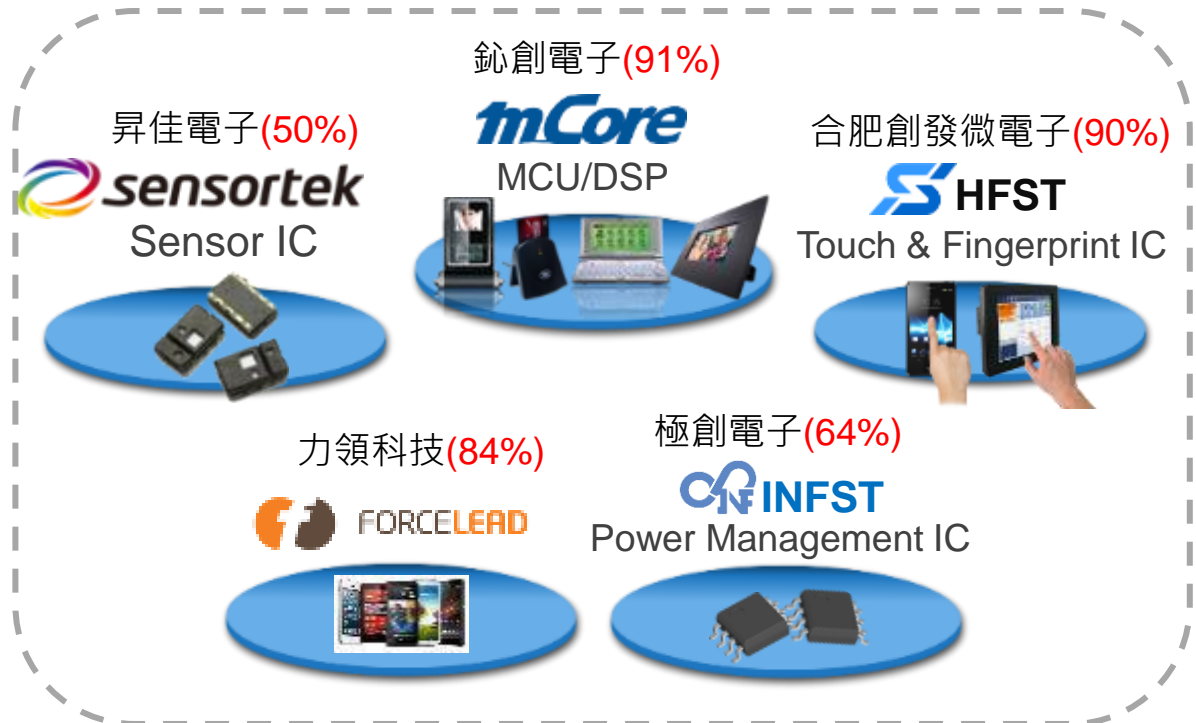


Consolidated

矽創電子

Sitronix

Display Driver IC



Incubator since 2009

Product Portfolio

Mobile Displays

Industrial & Automotive Displays

Sensors

SoC

Mobile Display Driver IC
手機顯示器



Automotive Display Driver IC
車載顯示器



Industrial Display Driver IC
工控顯示器



System on Chip (SoC) products
其他非顯示器 IC



Subsidiaries



Subsidiaries

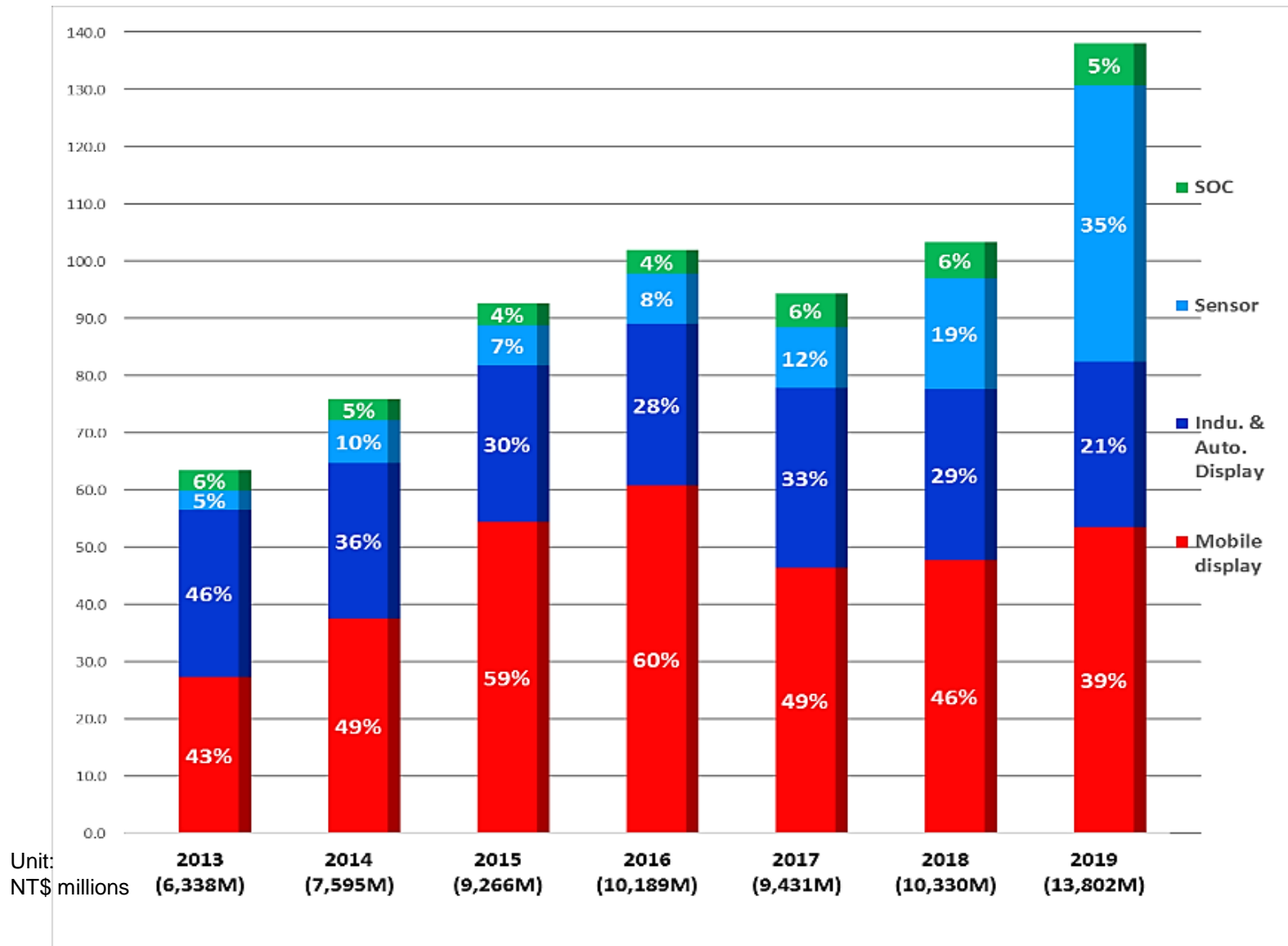


Differentiation

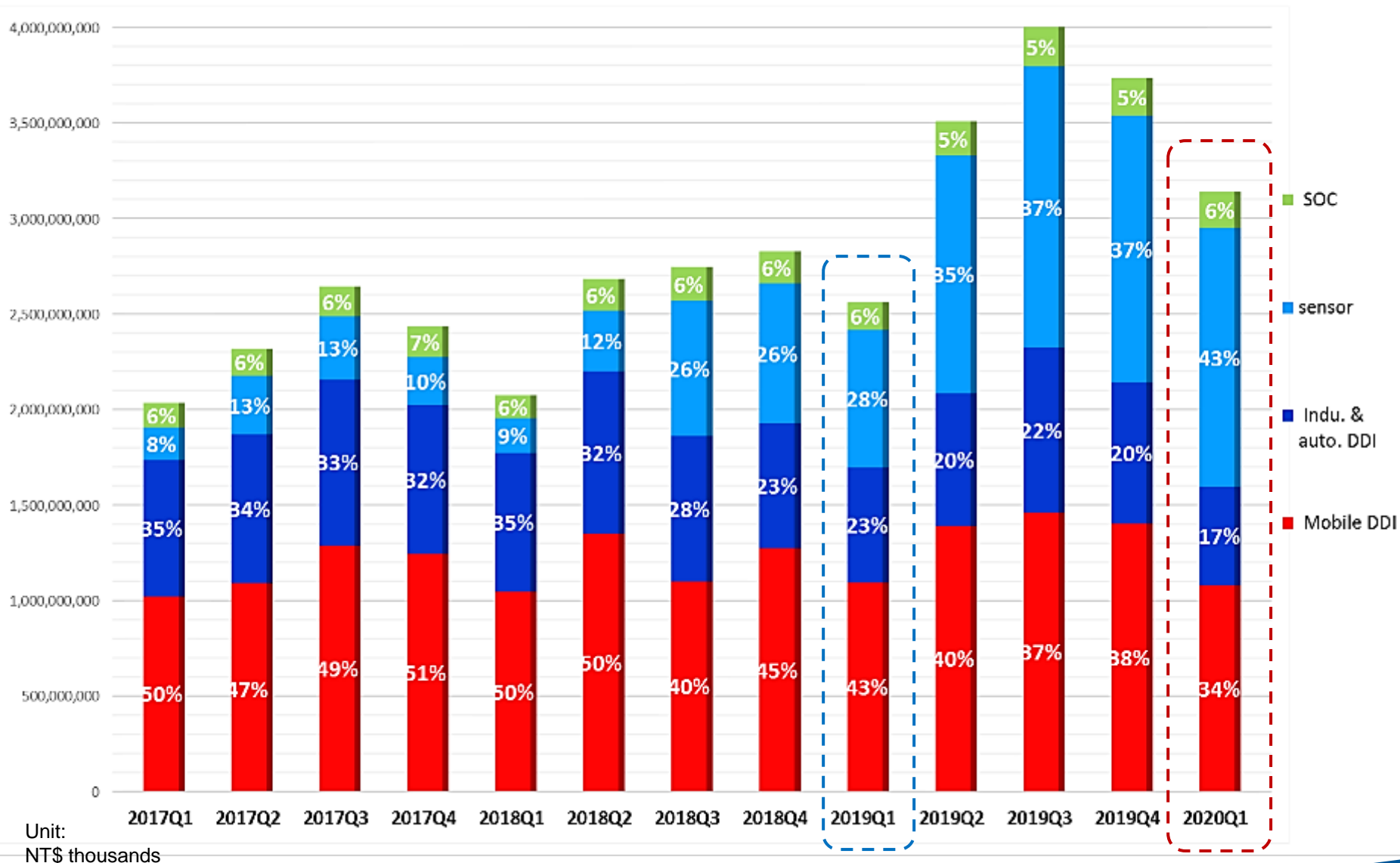
Diversification

Incubator

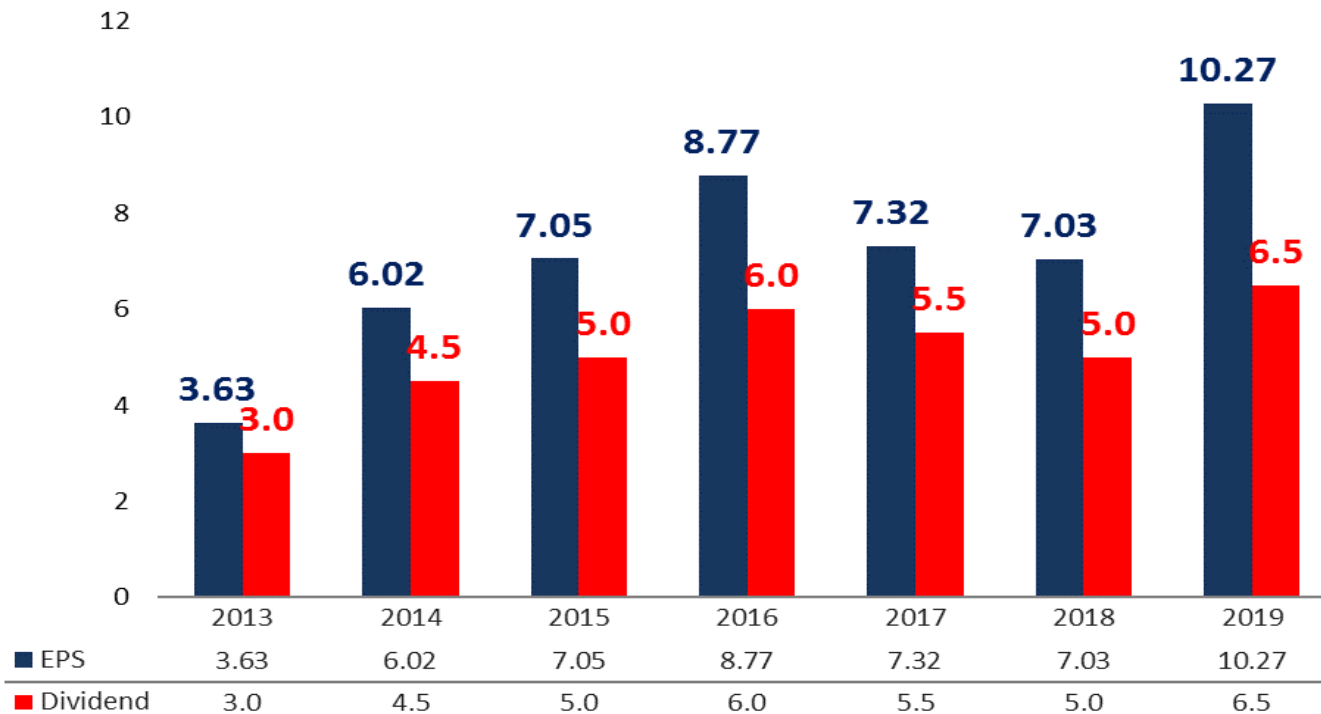
Revenue by Product Mix



Quarterly Revenue by Product



EPS & Dividends



Year	Q1		Q2		Q3		Q4		Annual		
	EPS	GM	EPS	GM	EPS	GM	EPS	GM	EPS	GM	Cash dividend
2020	2.43	32%									
2019	1.70	33%	2.80	33%	3.22	32%	2.55	30%	10.27	32%	6.5
2018	1.10	24%	1.82	24%	2.37	33%	1.74	30%	7.03	28%	5.0

Mobile Display Driver ICs

Small-sized DDIC - zeroCap

2018: ~ 500M pcs
2019: ~ 400M pcs



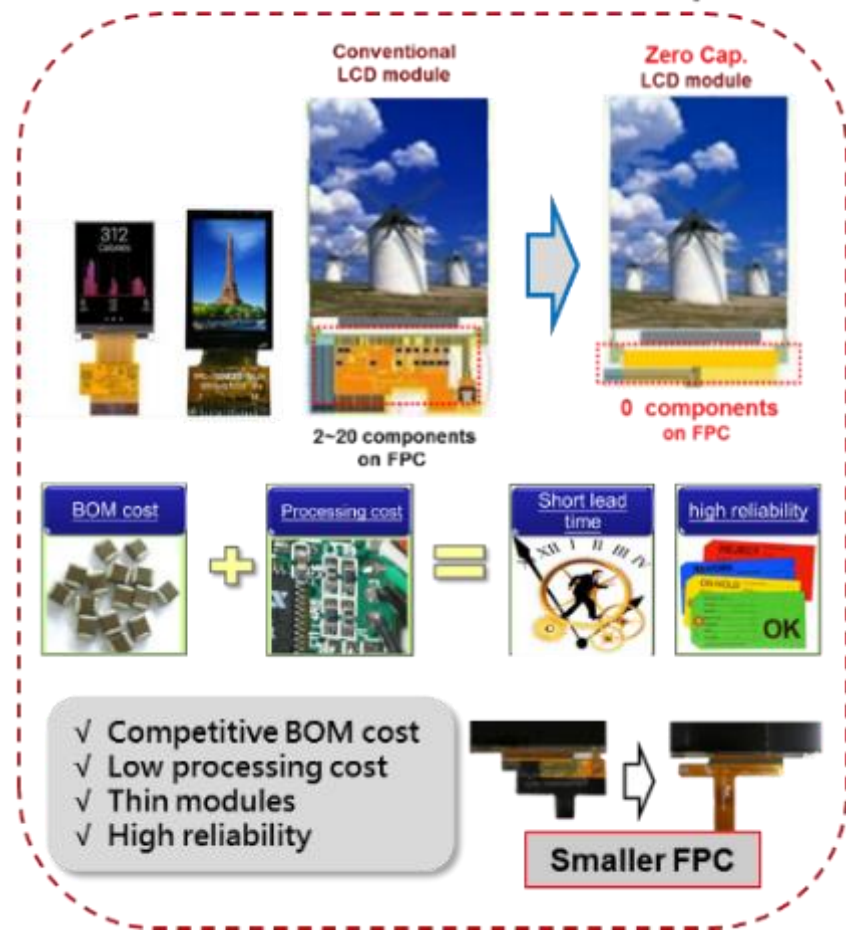
Smartphone DDIC - zeroCap

2018: > 130M pcs
2019: > 200M pcs shipment growth >50%



Differentiation

Sitronix's Patents



Automotive Display Driver ICs

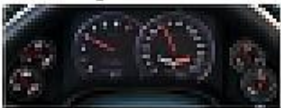
Diversification

< 6 inch displays

7 - 9 inch displays

Instrument Cluster Display

Analog



No Display

Hybrid (Analog + Digital)



Meters

Full Digital



Virtual
Cockpit



Automobile Monitors



Multi-Function CSD



Display Audio



Climate Control



Twin CSDs
Display Audio
+
Navigation



Rearview Mirror Display



Overhead Monitor



Dual Headrest



Segment TN

Character TN

Graphic STN

Mono TFT

Color TFT

Industrial Display Driver ICs

Diversification

TN / STN / mono TFT / color TFT



Ultra Low Power a-TFT Drivers
for new applications
IoT, wearable devices, e-payment...

Wearable Devices



Wearable Products



光學感測晶片 Optical Sensors

P-sensor shipment

2018 : >340M pcs
2019 : >600M pcs shipment growth >70%

Ambient light detection series

- G1. PS (w/T) + ALS (2in1 visible solution)
- G2. PS (w/T) + ALS (2in1 invisible solution) **2018**
 - Under-display (屏下方案) → for AMOLED displays
 - Slit type (狹縫方案) → for TFT displays (w/ backlight)

Color detection series

- G3. PS (w/T) + RGB sensors (visible solution) **3Q_2019**
(for better reading experience / 提供最佳閱讀體驗)

Feature description :

Proximity Sensors (PS)

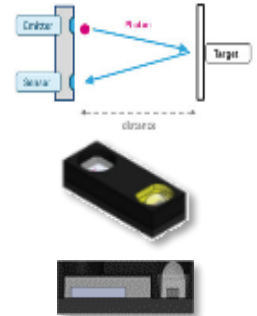
- turn off display (Anti-touch)
- 近接感測晶片 → 關屏(防誤觸)

Ambient Light Sensors (ALS)

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

Color Sensors (RGB)

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



Smartphone screen trend :

16:9 screen

PS (w/T) + ALS (visible sensor hole)



Bezel-less screen

- PS (w/T) + ALS (invisible sensor hole)
 - Under-display → AMOLED displays
 - Slit type → TFT displays (with backlight)



ALS / PS

● Waterdrop Screen (水滴屏)

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 (全景屏)

屏下(Under Display) ALS/PS

狹縫 (Slit)PS / 屏下Under Display ALS



微機電感測晶片 MEMS sensors

G-sensor shipment

2018 : >30M pcs

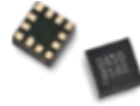
2019 : >55M pcs shipment growth >60%



Accelerometers (G-sensors)

→ Rotation detection

加速度感測器 → 屏幕旋轉偵測



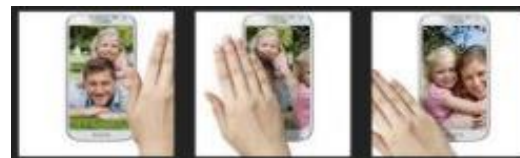
✓ G-sensors for smartphones

✓ Low-power G-sensors for wearable & IoT devices



Optical + GS → more applications (拓展其他應用)

- Proximity sensing (距離感測)
- Ambient Light sensing (環境光感測)
- RGB color sensing (精準色彩感測)
- UV sensor (紫外線感測)
- 2D / 4D gesture (2D/4D方向手勢感測)
- Heartbeat detection (心律偵測)
- Rotation detection (旋轉力度感測)
- Click detection (敲擊偵測)
- Step counter (計步偵測)
-



Gesture control



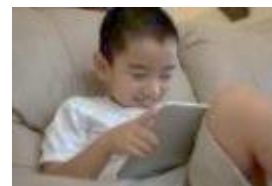
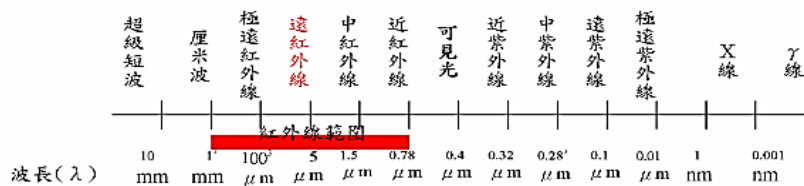
On/off control



Click detection (TWS)



Ambient dimming control
(Smart speaker)



Proximity detection
(ELA)



Heartbeat detection
(Smart watch)



SOC



合肥創發微電子 HFST

Touch controller & FPIC

Established - 03/22/2018
Opening - 09/18/2018

公司名称	合肥创发微电子有限公司
成立日期	2018.03
董事长	陈儒宏
总经理	赵建源
地址	安徽省合肥市高新区创新大道2800号 创新产业园二期J2区A栋19层
网址	www.hf-st.com.cn

Incubator

Automotive

Industrial

Wearable

Consumer



Zero capacity

- DC LDO
- No external parts
- Smallest FPC



Excellent EMC

- ESD
- EMI → Sinusoidal TX
- Touch & FP over 40 patents

Consumer



Wearable



Industrial



Automotive



Noise Immunity

- Low voltage AFE
- High performance ADC
- SNR > 50dB



High SNR

- Dynamic frequency hopping
- Dynamic threshold
- Display Sync. function

IoT Solutions



Smart city
Traffic management



Smart home
Smart grid



AloT devices
Smart payment



Connected cars

Consolidated Income Statement (2020/5/12)

Item	Q1 20		2019		Q4 19		Q3 19		Q2 19		Q1 19		2018	
	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	3,138,847	-	13,802,738	-	3,732,936	-	4,000,478	-	3,507,731	-	2,561,593	-	10,330,505	-
Gross Profit	1,011,677	32%	4,385,345	32%	1,123,077	30%	1,280,271	32%	1,145,255	33%	836,742	33%	2,870,026	28%
Operating Expense	569,936	18%	2,308,582	17%	580,831	16%	630,271	16%	575,125	17%	522,355	21%	1,827,512	18%
Operating Income	533,095	17%	2,086,426	15%	542,247	15%	659,662	16%	570,130	16%	314,387	12%	1,042,514	10%
Income before Tax	549,896	17%	2,203,422	16%	570,358	15%	693,490	17%	600,897	17%	338,677	13%	1,121,930	11%
Net Income*	291,416	9%	1,230,588	9%	305,616	8%	386,629	10%	334,950	9%	203,393	8%	840,363	8%
EPS	2.43	-	10.27	-	2.55	-	3.22	-	2.80	-	1.70	-	7.03	-

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"

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Consolidated Balance Sheet

Item	2020/3/31	2019/12/31	2019/9/30	2019/6/30	2019/3/31
Total Assets	11,315,424	10,760,904	10,013,046	9,574,510	8,179,523
Current Assets	9,386,607	8,626,168	7,945,341	7,469,564	6,090,712
Cash & Equivalents	3,356,031	2,932,647	2,944,608	2,421,768	1,991,012
AR	1,248,372	1,398,832	1,427,273	1,544,322	1,262,449
Inventory	2,387,205	1,909,664	1,731,420	1,832,545	1,797,371
Total Liability	5,630,077	4,155,212	4,003,106	3,970,689	2,580,779
AP	2,065,666	2,085,145	2,064,045	1,741,286	1,060,942
Shareholder Eq.	5,685,347	6,605,692	6,009,940	5,603,821	5,598,744

Unit: NT\$ thousands
Accounting standard: IFRS

We'd love to hear from you!

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