

Investor Conferences Q2 2020

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

The background features a dynamic arrangement of semi-transparent, multi-colored squares (in shades of orange, pink, purple, blue, and green) that appear to be floating or falling. Interspersed among these squares are patterns of small dots, some solid and some forming larger, faint shapes. The overall effect is a modern, tech-oriented aesthetic.

Sitronix

公司簡介

公司名稱	矽創電子股份有限公司
成立日期	1998年7月
資本額	40M USD
董事長暨執行長	毛穎文 Vincent Mao
臺灣證券交易所上市	2003年12月 (8016)



Consolidated

矽創電子

Sitronix

Display Driver IC



Incubator since 2009

產品組合

Mobile Displays

Mobile Display Driver IC
手機顯示器

Industrial & Automotive Displays

Automotive Display Driver IC
車載顯示器

Industrial Display Driver IC
工控顯示器

Sensors

SoC

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



Subsidiaries



Subsidiaries

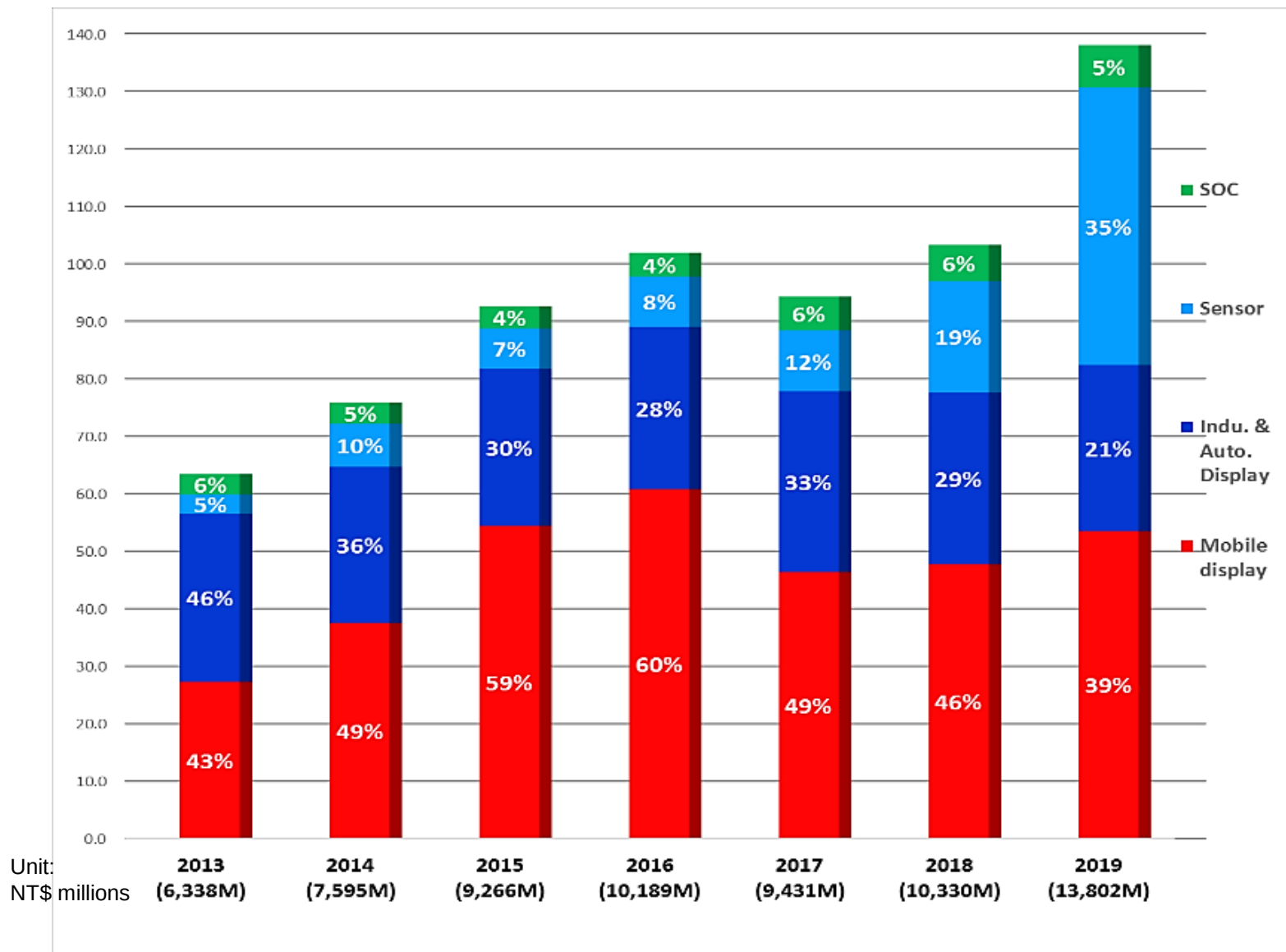


Differentiation

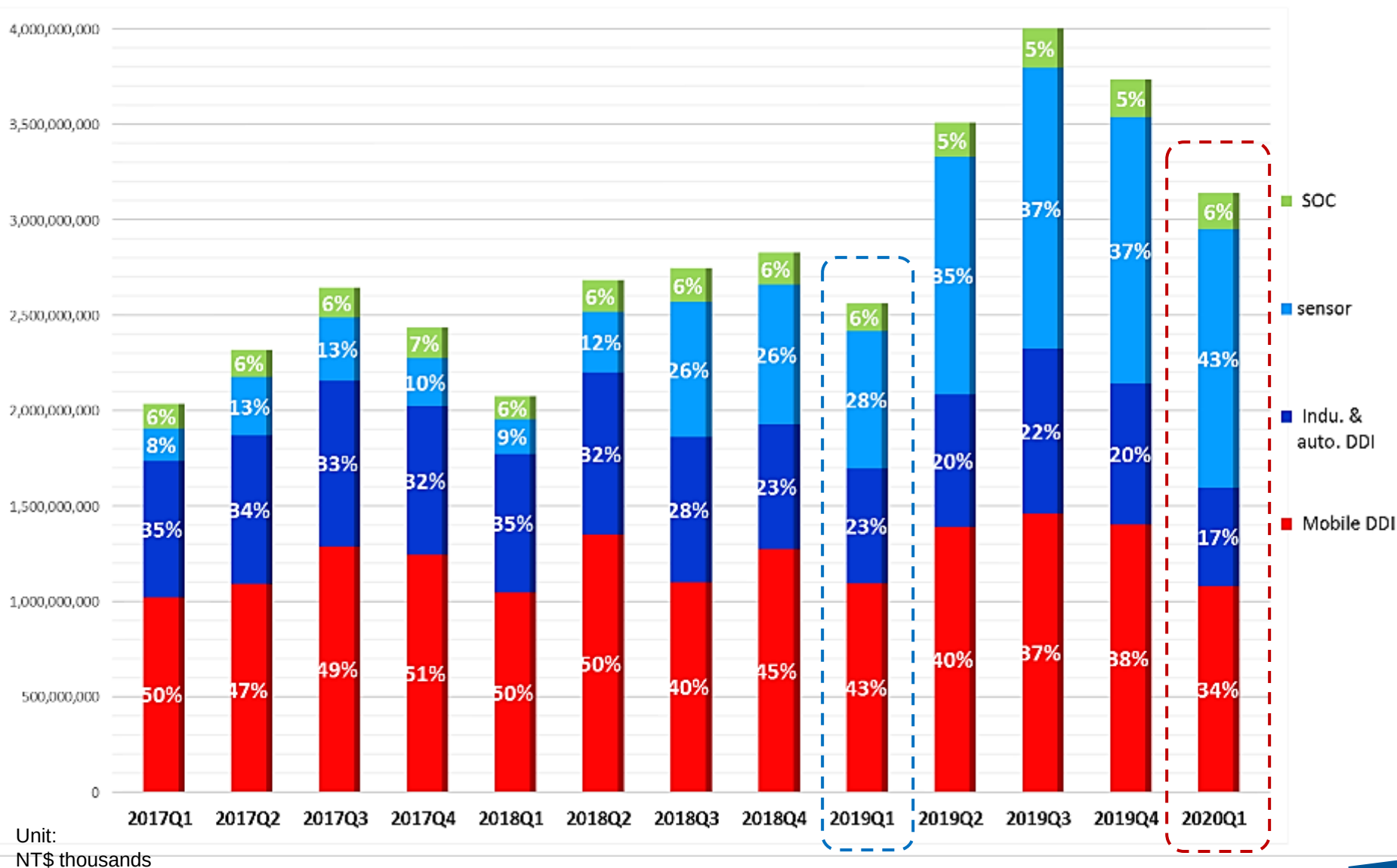
Diversification

Incubator

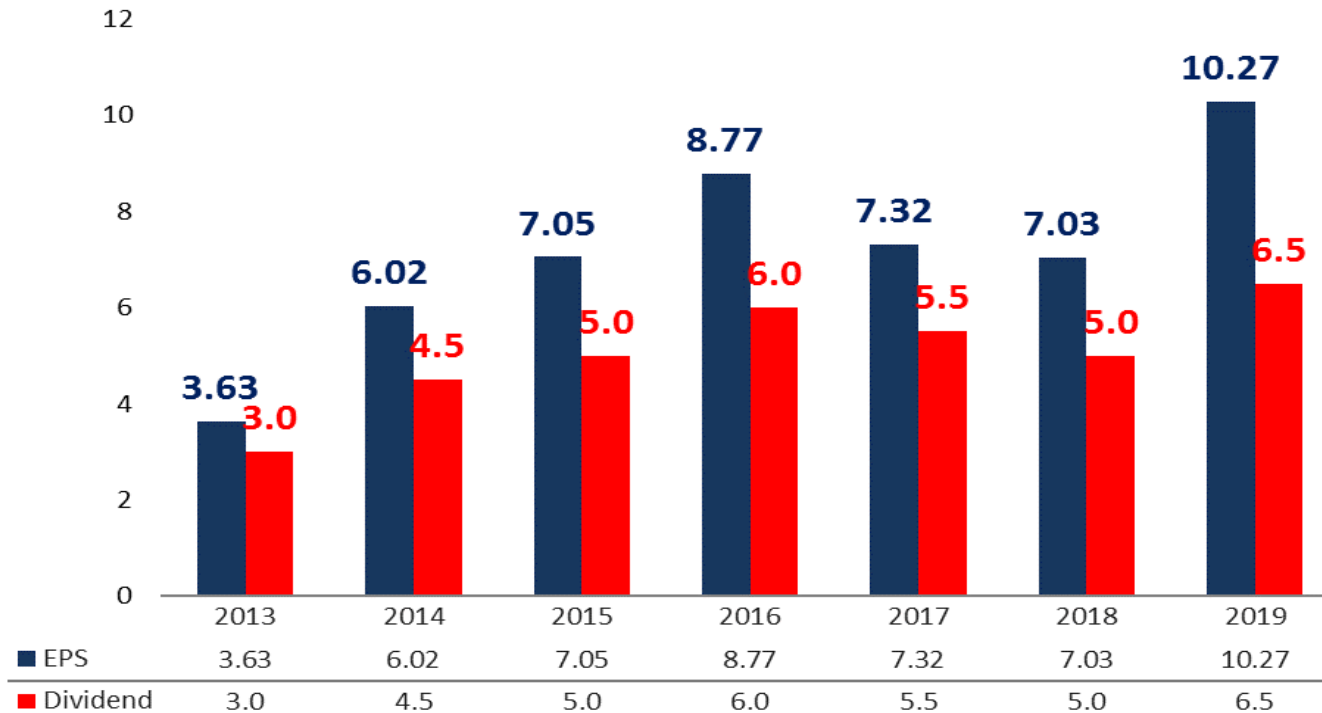
合併營收_依產品類別



合併營收(季度)_ 依產品類別



EPS & 配息資訊



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

手機顯示器驅動 ICs

Small-sized DDIC - zeroCap

2018: ~ 500M pcs

2019: ~ 400M pcs



Smartphone DDIC - zeroCap

2018: > 130M pcs

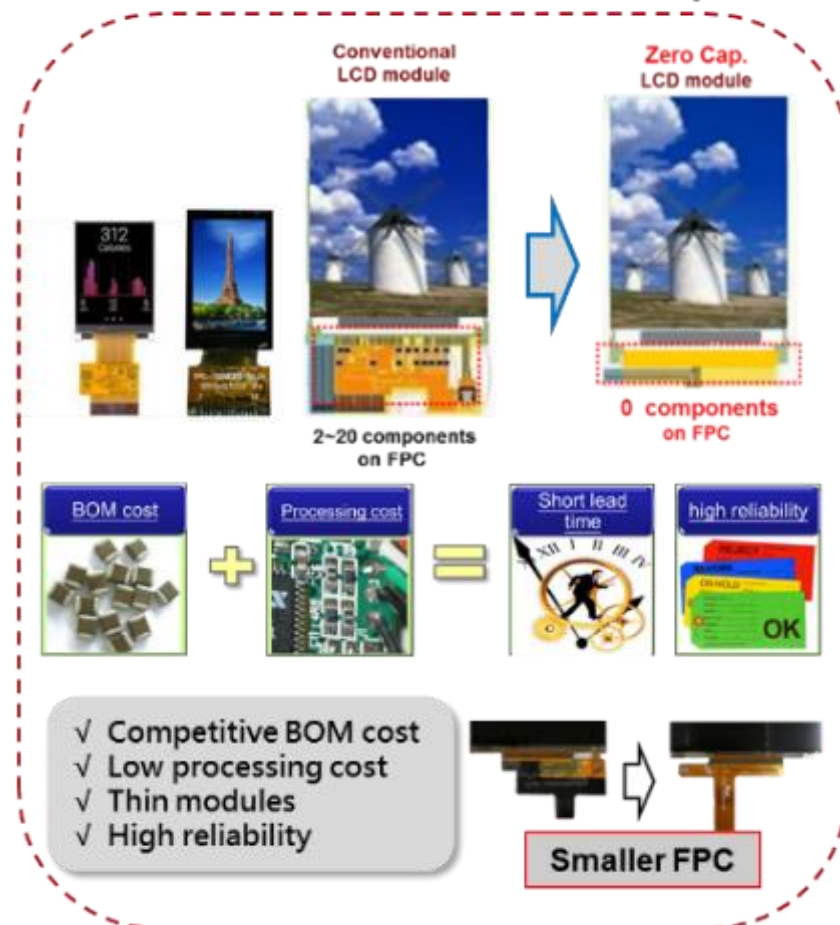
2019: > 200M pcs shipment growth > 50%



Differentiation

Sitronix's Patents

zerocap

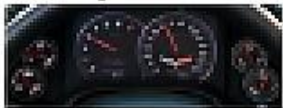


車載顯示器驅動 ICs

< 6 inch displays

Instrument Cluster Display

Analog



No Display

Hybrid (Analog + Digital)



Meters

Full Digital



Virtual Cockpit



7 - 9 inch displays

Automobile Monitors



Multi-Function CSD



Display Audio



Climate Control



Twin CSDs
Display Audio
+
Navigation



Rearview Mirror Display



Overhead Monitor



Dual Headrest

Diversification

Segment TN

Character TN

Graphic STN

Mono TFT

Color TFT



工控類顯示器驅動 ICs

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)

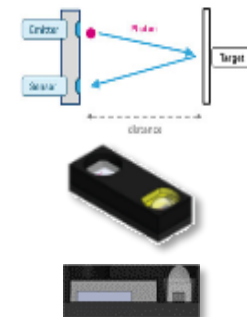
- turn off display (Anti-touch)
- 近接感測晶片 → 關屏(防誤觸)

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

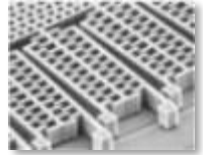


微機電感測晶片 MEMS sensors

G-sensor shipment

2018 : >30M pcs

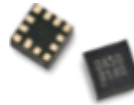
2019 : >55M pcs shipment growth >60%



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



屏幕旋轉
Screen rotation



自動靜音
Automatic mute



遊戲
Game control



手勢偵測
Gesture detection



接聽輔助
Answering aid



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)

.....



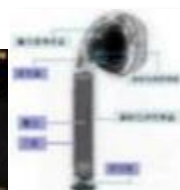
Gesture control



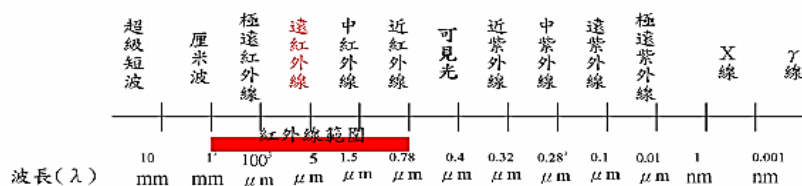
On/off control



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

Automotive

Industrial

Wearable

Consumer



Zero capacity

- DC LDO
- No external parts
- Smallest FPC



Excellent EMC

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



Noise Immunity

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

High SNR

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

Consumer



Wearable



Industrial



Automotive



支援物聯網(IoT)相關方案



合併損益表

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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合併資產負債表

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 Eqt.	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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Lighting up your life.

Sitronix