

Investor Conferences

Q2 2019

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

The background features a dynamic arrangement of overlapping, semi-transparent squares in various colors including purple, blue, green, and orange. These squares are scattered across the slide, with some appearing as simple outlines and others as solid blocks. Interspersed among these squares are patterns of small dots, some solid and some outlined, creating a complex, layered visual effect.

Sitronix

公司簡介



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)



Sensor & SoC

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



Subsidiaries



Sitronix

Subsidiaries

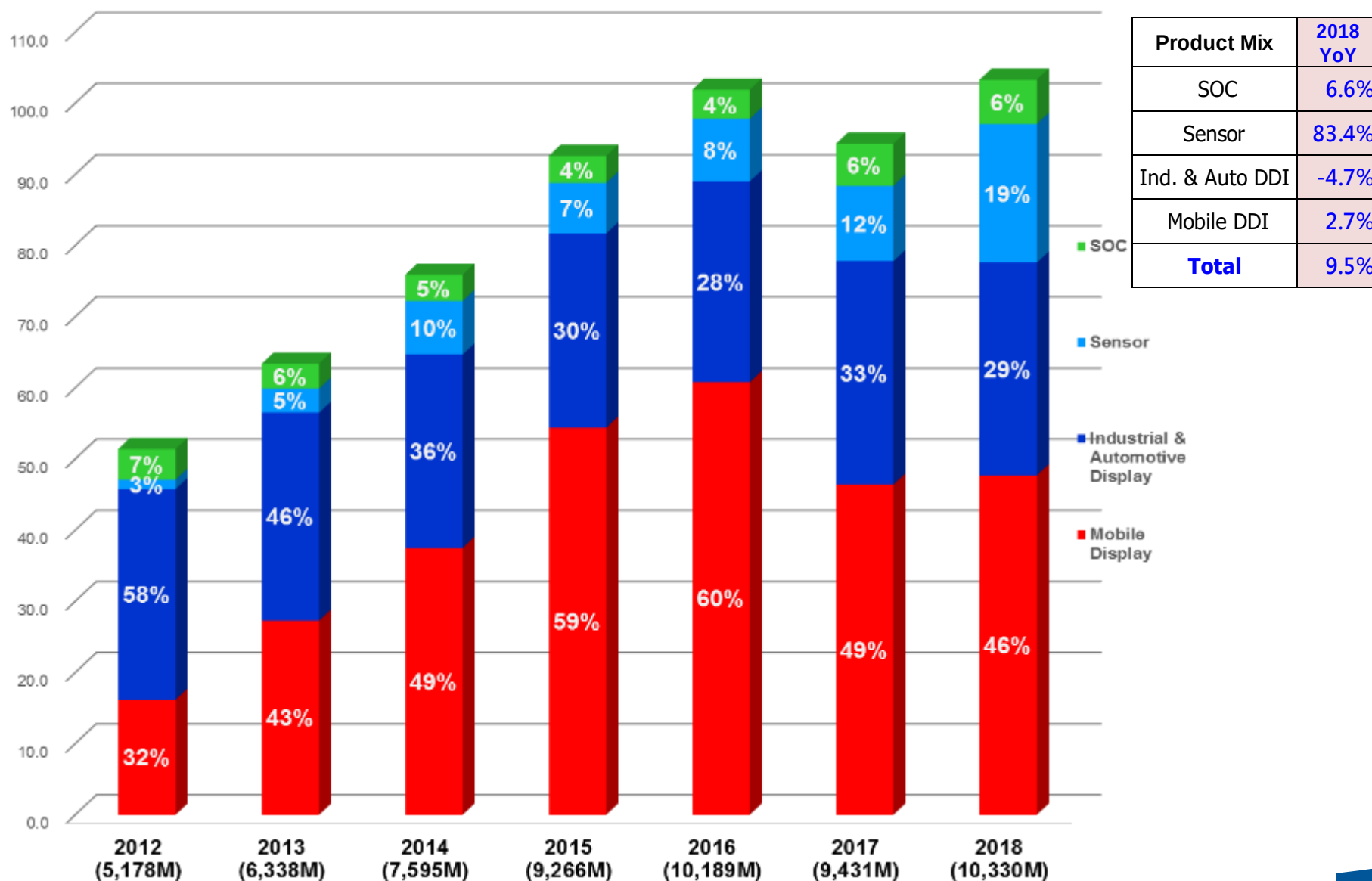
mCore (91%)

INFST (64%)

HFST (84%)

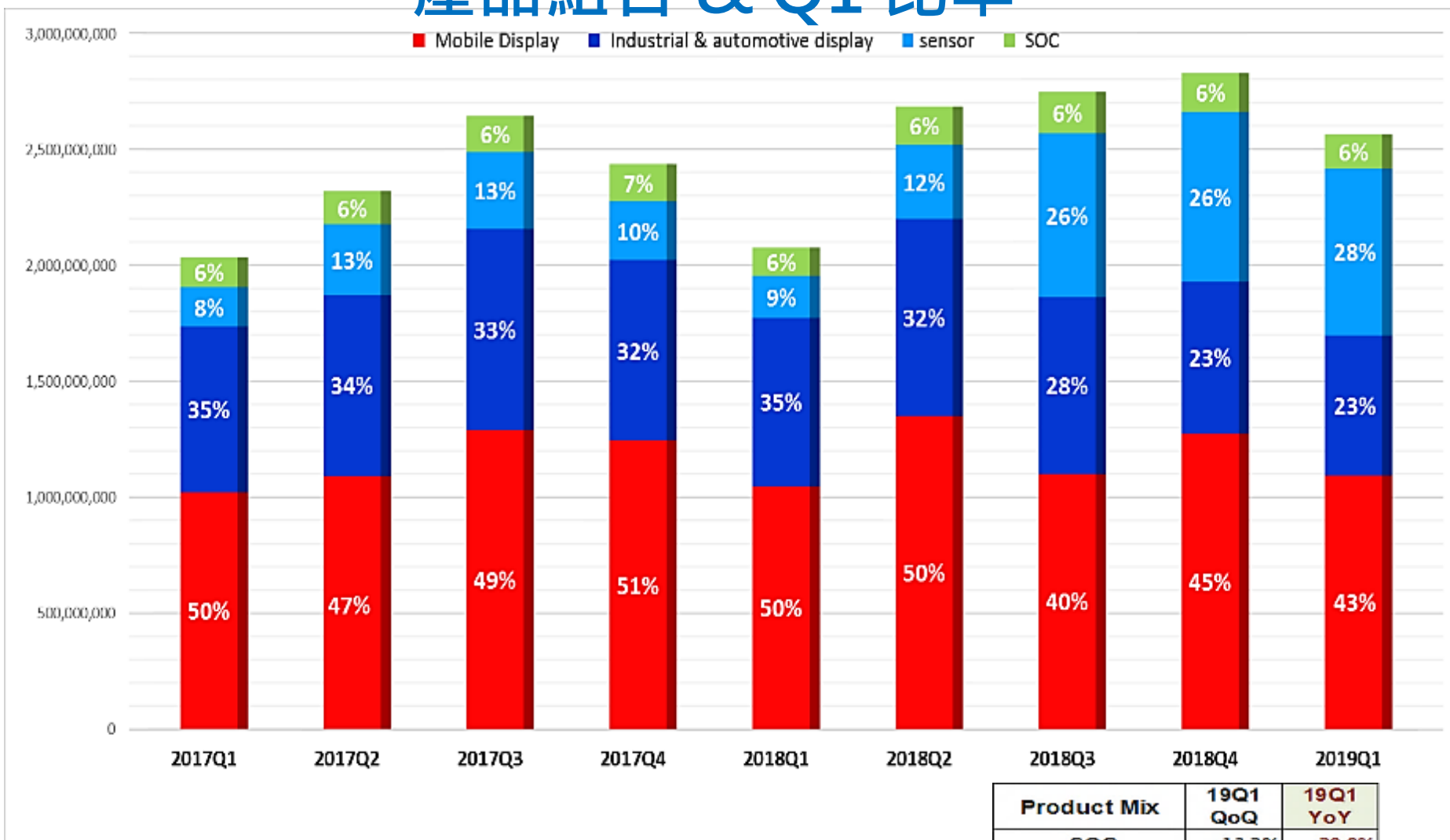
sensortek (51%)

2012-2018合併營收_依產品組合分類



Product Mix	2018 YoY
SOC	6.6%
Sensor	83.4%
Ind. & Auto DDI	-4.7%
Mobile DDI	2.7%
Total	9.5%

產品組合 & Q1 比率



Product Mix	19Q1 QoQ	19Q1 YoY
SOC	-13.2%	20.0%
Sensor	-1.6%	296.6%
Ind. & Auto DDI	-8.0%	-17.1%
Mobile DDI	-14.1%	4.6%
Total	-9.4%	23.5%

合併月營收數字(MoM/YoY) , 2017 - 2019

(K) ntd	2017	YoY_M	Quarterly amount	YoY_Q	2018	YoY_M	Quarterly amount	YoY_Q	2019	YoY_M	MoM
1	600,199	-32.0%	2,034,300	-11.3%	781,237	30.2%	2,074,724	2.0%	920,272	17.8%	0.61%
2	622,643	12.9%			462,190	-25.8%			657,782	42.3%	-28.52%
3	811,458	-5.7%			831,297	2.4%			983,539	18.3%	49.52%
4	750,792	-9.6%	2,318,317	-3.3%	860,299	14.6%	2,682,651	15.7%	1,104,244	28.4%	12.27%
5	710,736	-10.2%			901,245	26.8%					
6	856,789	10.4%			921,107	7.5%					
7	881,044	8.6%	2,643,141	-8.1%	922,769	4.7%	2,746,000	3.9%			
8	891,613	-9.2%			901,386	1.1%					
9	870,484	-19.6%			921,845	5.9%					
10	781,637	-20.4%	2,435,304	-7.2%	940,776	20.4%	2,827,130	16.1%			
11	813,378	-8.7%			971,631	19.5%					
12	840,289	11.9%			914,723	8.9%					
Total	9,431,062	-7.4%		-7.45%	10,330,505	9.5%			3,665,837		
1 - 3					2,074,724				2,561,593	23.5%	
1 - 4					2,935,023				3,665,837	24.9%	

Unit: NT\$ thousands
Accounting standard: IFRS

Sensors - I



P sensor shipment (Smartphone market)

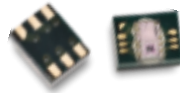
2017 : >200M

2018 : >300M

Light sensors

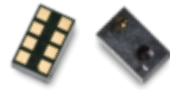
Ambient Light Sensors

CMOS Circuit



Proximity Sensors

CMOS circuit



2-in-1 P-sensors for smartphones

- ✓ ALS + Gesture control P-sensors (2015)
- ✓ ALS + Small sensor holes P-sensors (2016)
- ✓ invisible P-sensors solution (2017)
- ✓ under display p-sensor for bezel-less AMOLED (2018)
- ✓ Micro slot p-sensor for bezel-less TFT LCD (2018)



高階 P-sensor :

- a. AMOLED display → 屏下距離感測(p) 方案
- b. LTPS TFT display → 微縫距離感測(p) 方案
- c. 3D sensing 協作應用 → 長距離感測(p) 方案



ALS/PS

● 水滴屏

狹縫 ALS/PS

狹縫 PS / 屏下ALS

前攝旁



ALS/PS

● 水滴屏

● 全景屏

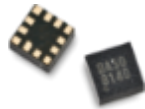
狹縫 ALS/PS(機械升降) 屏下 ALS/PS(機械升降)



頂出式 (手動滑蓋昇降)



MEMS sensors



Accelerometers

CMOS Circuit

MEMS Process



G sensor shipment
2018: >25M

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



屏幕旋轉



手勢偵測

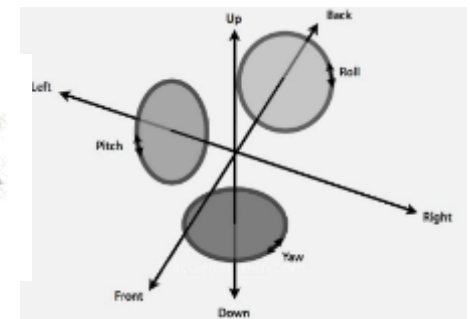


接聽輔助



Gyroscopes

MEMS Process



- ✓ Gyroscopes under developed

手機顯示器驅動 ICs

Feature phone DDI

→ Small-sized DDI

QQVGA 160x120 - Zero Cap.

QCIF 220x176 - Zero Cap.

QVGA 320x240 - Zero Cap.

WQVGA 400x240 - Zero Cap.

2017: > 500M pcs

2018: > 490M pcs

4G feature phones



4G kids' watches



Sports cams /
pocket
camcorders



Fitness trackers



Smartphone DDI

HVGA 480x320 (Q4 14 MP) - Zero Cap.

WVGA 800x480 (Q4 15 MP) - Zero Cap.

HD720 1280x720 (Q4 17 MP) - Zero Cap.

FHD 1920x1080 (Q1 19 MP) - Zero Cap.

2017: > 90M

2018: > 130M



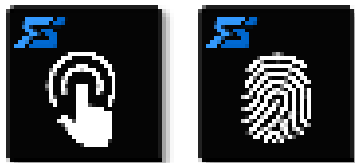
SOC

Touch Controllers

HFST - 合肥创发微电子

Established - 03/22/2018

Opening - 09/18/2018



Industrial

Touch controller
& FP IC



Automotive



Source: 各廠商, 拓璞產業研究所整理, 2014/08



Smartphone



FAE
在地化



24*7
待命小組



技術討論



專案回報機
制



市場訊息
技術交流

工控類顯示器驅動 ICs

- Industrial Display Driver IC
- Multimedia Display Driver IC
- New product: Ultra low power DDI
- New applications:
 - Portable medical devices / Healthcare products
 - Wearable products / Sports devices / E_Tag

TN / STN / mono TFT / color TFT



車載顯示器驅動 ICs

< 6 inch displays



7 - 9 inch displays



Segment TN

Character TN

Graphic STN

Mono TFT

Color TFT

- a. 新車趨勢 → 顯示器數增多
- b. 大尺寸顯示器案增多 → DDI 顆粒數增加 (Source & Gate 分離)

Support IoT related solutions



移動互聯網
行動支付



智慧居家
智慧電網



智慧城市
智慧交通



電動車
車聯網

合併損益表

Item	Q1 19		2018		Q4 18		Q3 18		Q2 18		Q1 18	
	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales	Results	% of sales
Net Sales	2,561,593	-	10,330,505	-	2,827,130	-	2,746,000	-	2,682,651	-	2,074,724	-
Gross Profit	836,742	33%	2,870,026	28%	841,542	30%	888,681	33%	644,536	24%	495,267	24%
Operating Expense	522,355	21%	1,827,512	18%	540,071	19%	513,919	19%	419,292	15%	354,230	17%
Operating Income	314,387	12%	1,042,514	10%	301,471	11%	374,762	14%	225,244	9%	141,037	7%
Income before Tax	338,677	13%	1,121,930	11%	312,329	11%	415,729	15%	257,251	10%	136,621	7%
Net Income*	203,393	8%	840,363	8%	208,169	7%	283,177	10%	218,207	8%	130,810	6%
EPS	1.70	-	7.03	-	1.73	-	2.37	-	1.83	-	1.10	-

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

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

合併資產負債表

Item	2019/3/31	2018/12/31	2018/9/30	2018/6/30	2018/3/31
Total Assets	8,179,523	8,366,511	8,067,564	8,033,661	7,444,294
Current Assets	6,090,712	6,415,599	5,898,420	5,944,339	5,471,542
Cash & Equivalents	1,991,012	2,060,229	1,993,785	2,405,012	2,095,484
AR	1,262,449	1,359,114	1,337,906	1,282,062	1,061,062
Inventory	1,797,371	2,071,021	1,847,433	1,383,334	1,593,972
Total Liability	2,580,779	3,160,839	2,952,456	3,336,640	2,368,288
AP	1,060,942	1,560,675	1,705,977	1,451,449	1,015,965
Shareholder Eqt.	5,598,744	5,205,672	5,115,108	4,697,021	5,076,006

Unit: NT\$ thousands
Accounting standard: IFRS

SOC

mCore (鈐創電子)

DSP (digital audio)

8/16/32 bit MCU



Card readers



SOC

INFST (極創電子)

AC-side power management & PWM IC

Power Management ICs



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Thank you



Lighting up your life.

Sitronix