

AMOLED Display Quarterly Market Track - 1Q19 Data Tables

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- > Sales
- > Shipments

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- > Supply & Demand Analysis for TV
- > Sales Forecast
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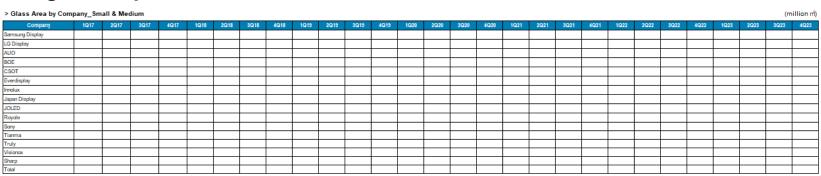


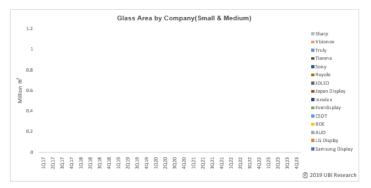
■ Capacity Chart_Quarterly

<Contents>

- Total Glass Area
- Glass Area by Company and Ratio
- Glass Area by Generation and Ratio
- Glass Area by Company_Small & Medium and Ratio
- Glass Area by Substrate Type_Small & Medium and Ratio
- Glass Area by Substrate Type_Large
- Glass Area by Nation

* Small & Medium : ≤ 40 inch, Large : > 40 inch







■ Sales Performance Summary_Quarterly

<Contents>

Revenue

Shipment

<Image Example>

> Revenue														(US	S\$ million)
Nation	Company	Application	1Q16	2Q16	3Q16	4Q16	1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19
		Watch													
	Samsung Display	Smart Phone													
	Samsung Display	Tablet PC													
Korea		etc													
		Watch													
	LG Display	Smart Phone													
		TV													
lanan	Sony	Monitor													
Japan	Japan JOLED	Monitor													
	AUO	Watch													
Taiwan	200	Smart Phone													
	Innolux	Smart Phone													
	BOE	Watch													
	DOL	Smart Phone													
	EverDisplay	Watch													
China	Everbispiay	Smart Phone													
- China	Tianma	Smart Phone													
	Truly	Smart Phone													
	Visionox	Watch													
		Smart Phone													
	Total														



Sales Performance of OLED Panel Revenue_Quarterly (including module)

<Contents>

- Revenue Total
- Revenue by Company and Ratio
- Revenue by Application and Ratio
- Revenue by Substrate Type and Ratio
- Revenue by Nation and Ratio

> Sales by Company (US\$ million)														
Company	1Q16	2Q16	3Q16	4Q16	1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	
Samsung Display														
LG Display														
AUO														
BOE														
EverDisplay														
Sony														
Tianma														
Truly														
Visionox														
JOLED														
Total														



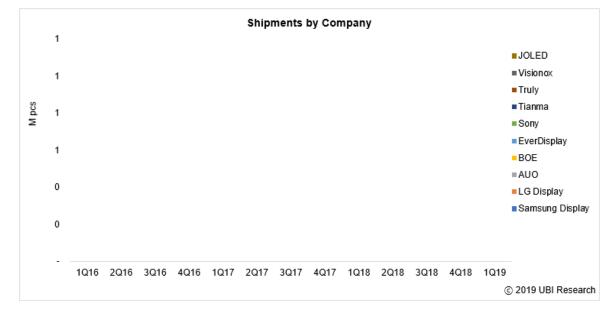


Sales Performance of OLED Panel Shipment_Quarterly

<Contents>

- Shipment Total
- Shipment by Company and Ratio
- Shipment by Application and Ratio
- Shipment by Substrate Type and Ratio
- Shipment by Nation and Ratio

Shipment by Com	bany											(M pcs)	
Company	1Q16	2Q16	3Q16	4Q16	1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19
Samsung Display													
LG Display													
AUO													
BOE													
EverDisplay													
Sony													
Tianma													
Truly													
Visionox													
JOLED													
Total													





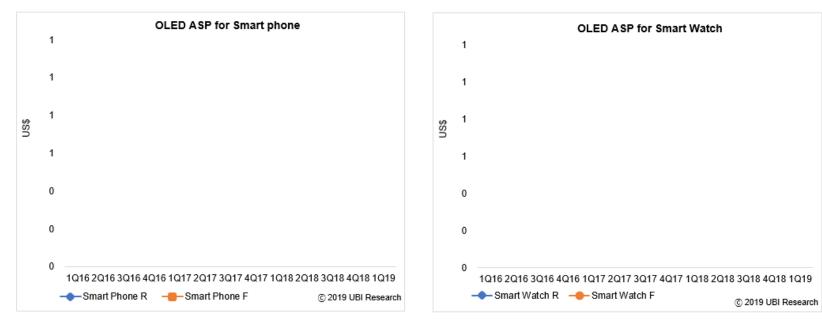
ASP

<Contents>

ASP_Quarterly

ASP_Yearly

ASP_Quarterly													(US\$
Application	1Q16	2Q16	3Q16	4Q16	1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19
Smart Watch R													
Smart Watch F													
Smart Phone R													
Smart Phone F													
Tablet PC													
Monitor													
TV 55" FHD													
TV 55" UHD													
TV 65" UHD													
TV 77" UHD													





Supply and Demand Analysis for Smartphone_Quarterly

<Contents>

- Supply and Demand Analysis for Smartphone by Shipment
- Supply and Demand Analysis for Smartphone by Glass Area

<image e<="" th=""/> <th>xample></th>	xample>
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Supply and Demand Analysis for Smartphone by Shipment (M pc													(M pcs)											
Item	1017	2017	3017	4017	1018	2018	3018	4018	1019	2019	3019	4019	1020	2020	3020	4020	1021	2021	3021	4021	1022	2022	3022	4022
Supply																								
Demand																								
Glut																								

	Supply and Demand Analysis for Smartphone by Units	
12		12:09
1		10.0%
0.8		80%
N 0.6		60%
0.4		40%
0.2		20%
0 10 ¹¹ 1	2° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4° 4°	0%
	Supply Demand	PI Pos

> Supply and Demand Analy	als for S	martpho	ne by Gl	ass Area																				(million m)
Item	1017	2017	3017	4017	1018	2018	3018	4018	1019	2019	3019	4019	1020	2020	3020	4020	1021	2021	3021	4021	1022	2022	3022	4022
Supply																								
Demand																								
Glut																								

	Supply and Demand Analysis for Smartphone by Glass Area	120%	
		- 100%	
ndion rd		- 80%	
dhr		60%	Glut
		- 40%	
		- 20%	
	0 . 5 6 5 5 6 8 6 5 6 6 6 6 6 6 6 6 6 6 6 6	0%	
	Supply Demand	Resear	ch

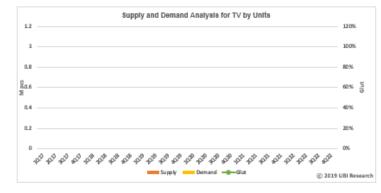


■ Supply and Demand Analysis for TV_Quarterly

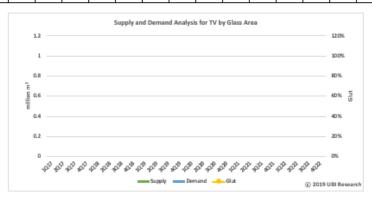
<Contents>

- Supply and Demand Analysis for TV by Shipment
- Supply and Demand Analysis for TV by Glass Area

> Supply and Demand Analy	Supply and Demand Analysis for TV by Shipment (M pr													(M pcs)										
ltem	1017	2017	3017	4017	1018	2018	3018	4018	1019	2019	3019	4019	1020	2020	3020	4020	1021	2021	3021	4021	1022	2022	3022	4022
Supply																								
Demand																								
Glut																								



> Supply and Demand Analysis for TV by Glass Area 1017 2017 3017 4017 1018 2018 3018 4018 1019 3019 4019 1020 3021 4021 1022 2022 pply Demand Glut



(million m)

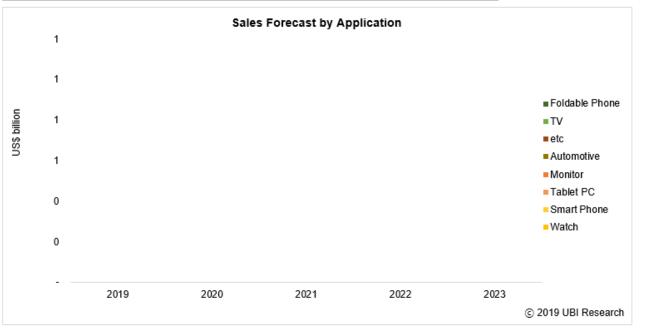


Forecast of OLED Panel Sales (including module)

<Contents>

- Sales Total
- Sales by Application and Market Share
- Sales by Substrate Type and Market Share
- Sales by Nation and Market Share

> Sales by Application	n			((JS\$ billion)
Application	2019	2020	2021	2022	2023
Watch					
Smart Phone					
Tablet PC					
Monitor					
Automotive					
etc					
TV					
Foldable Phone					
Total					





Forecast of OLED Panel Shipments

<Contents>

- Shipments Total
- Shipments by Application and Market Share
- Shipments by Substrate Type and Market Share
- Shipments by Nation and Market Share

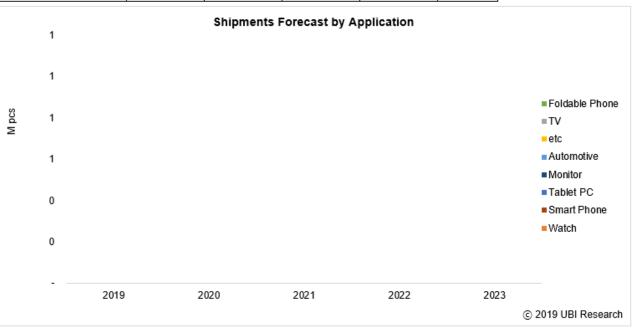
<Image Example>

> Shipments by Application

Application
2019
2020
2021
2022
2023

Watch

2023
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(M pcs)