

Quarterly Small OLED Display Market Track Interpretation

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1. Reference Guide

Application Covered

- Smartphone
- Foldable phone
- Watch

Substrate Covered

- Flexible OLED
- Rigid OLED

Nation Covered

- Korea
- China
- Taiwan
- Japan

Actual and Forecast

- Quarterly update
- History : 3-year, Forecast : 5-year

Unit

- Shipments : M pcs
- Revenue : US\$ millions
- Average Selling Price : US\$
- Display Area : (million m²)



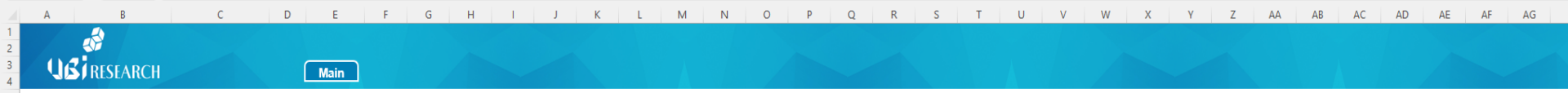
Small OLED Display Quarterly Market Track_PIVOT - 4Q21 Data Tables

- [Quarterly Capacity](#)
- [Quarterly Capacity Glass Area](#)
- [Quarterly Capacity Glass Area Chart](#)
- [PIVOT Quarterly Performance](#)
- [PIVOT Quarterly ASP Trend](#)
- [PIVOT Forecast](#)
- [Supply & Demand for Smartphone](#)

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Data_Quarterly

- Contents
> Glass Area

> Quarterly Capacity_Glass Area

(million m)

	Nation	Company	Fab. Location	Gen	Backplane	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25		
13	Korea	Samsung Display	Cheonan A1	4	LTPS TFT																														
14	Korea	Samsung Display	Tangjeong A2	5.5	LTPS TFT																														
15	Korea	Samsung Display	Tangjeong A3	6	LTPS TFT																														
16	Korea	Samsung Display	Tangjeong A3	6	LTPO TFT																														
17	Korea	Samsung Display	Tangjeong A4	6	LTPS TFT																														
18	Korea	Samsung Display	Tangjeong A4	6	LTPO TFT																														
19	Korea	LG Display	Paju E2	4	LTPS TFT																														
20	Korea	LG Display	Paju E6	6	LTPS TFT																														
21	Korea	LG Display	Paju E6	6	LTPO TFT																														
22	Korea	LG Display	Gumi E5	6	LTPS TFT																														
23	China	BOE	Mianyang B11	6	LTPS TFT																														
24	China	BOE	Chengdu B7	6	LTPS TFT																														
25	China	BOE	Ordos B6	5.5	LTPS TFT																														
26	China	BOE	Chongqing B12	6	LTPS TFT																														
27	China	CSOT	Wuhan T4	6	LTPS TFT																														
28	China	Everdisplay	Shanghai	4.5	LTPS TFT																														
29	China	Everdisplay	Shanghai	6	LTPS TFT																														
30	China	Royole	Shenzhen	5.5	LTPS TFT																														
31	China	Tianma	Shanghai	5.5	LTPS TFT																														
32	China	Tianma	Wuhan	6	LTPS TFT																														
33	China	Tianma	Xiamen	6	LTPS TFT																														
34	China	Truly	Huizhou	4	LTPS TFT																														
35	China	Truly	Renshou	6	LTPS TFT																														
36	China	Visionox	Guan V2	6	LTPS TFT																														
37	China	Visionox	Hefei V3	6	LTPS TFT																														
38	China	Visionox	Kunshan V1	5.5	LTPS TFT																														
39	Japan	Japan Display	Mobara	6	LTPS TFT																														
40	Japan	Sharp	Sakai	4.5	LTPS TFT																														
41	Taiwan	AUO	Linkou	3.25	LTPS TFT																														
42	Taiwan	AUO	Singapore	4	LTPS TFT																														

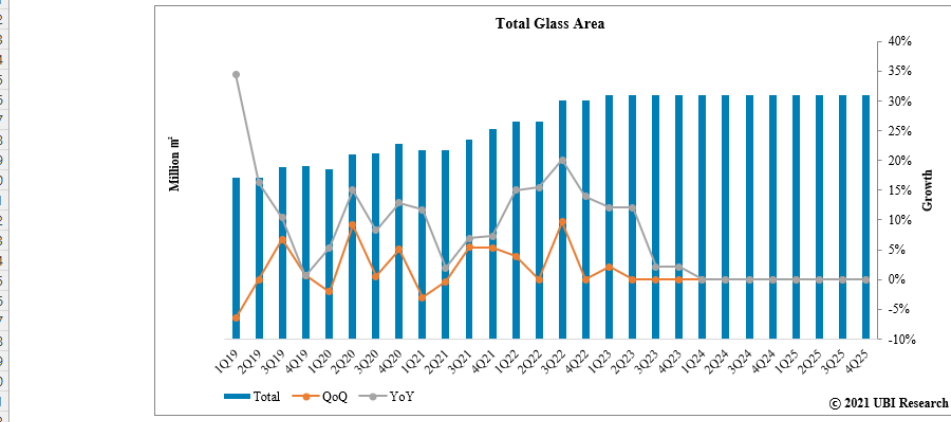


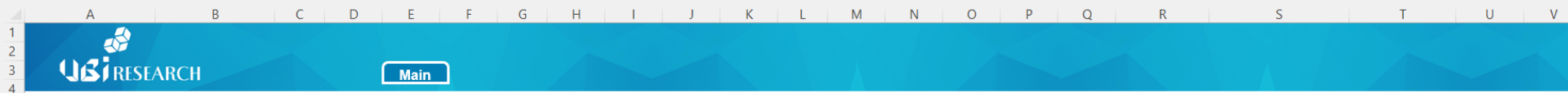
Capacity Chart_Quarterly

- Contents
- > Total Glass Area
- > Glass Area by Company and Ratio
- > Glass Area by TFT Technology and ratio
- > Glass Area by Generation and Ratio
- > Glass Area by Substrate and Ratio
- > Glass Area by Nation and Ratio

> Total Glass Area (million m²)

Item	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25	
Total																													
QoQ																													
YoY																													





Quarterly Shipment Performance

- Contents
> Pivot of quarterly shipment performance (Mpcs)

- Nation (All) [v]
- Substrate (All) [v]
- Resolution (All) [v]
- Size (All) [v]

Application	Company	Mpcs															
		1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	
Smart Phone	LG Display																
	Samsung Display																
	AUO																
	BOE																
	CSOT																
	Tianma																
	Truly																
	Visionox																
Watch	EverDisplay																
	LG Display																
	Samsung Display																
	JDI																
	AUO																
	BOE																
	Tianma																
	Visionox																
Foldable Phone	Samsung Display																
	BOE																
Total																	

Quarterly Revenue Performance

- Contents
> Pivot of quarterly revenue performance (US\$ million)

- Nation (All) [v]
- Substrate (All) [v]
- Resolution (All) [v]
- Size (All) [v]

Application	Company	US\$ million	
		1Q18	2Q18
Smart Phone	LG Display		
	Samsung Display		
	AUO		
	BOE		
	CSOT		
	Tianma		
	Truly		
	Visionox		
Watch	EverDisplay		
	LG Display		
	Samsung Display		
	JDI		
	AUO		
	BOE		
	Tianma		
	Visionox		
Foldable Phone	EverDisplay		
	Samsung Display		
Total			



Yearly Forecast Shipment

- Contents
> Pivot of forecast shipment (Mpcs)

Nation (All)
Substrate (All)

		M pcs					
Company	Application	2021	2022	2023	2024	2025	2026
⊖ AUO	Watch						
⊖ BOE	Foldable Phone						
	Smart Phone						
	Watch						
⊖ CSOT	Smart Phone						
⊖ EDO	Smart Phone						
	Watch						
⊖ JDI	Watch						
⊖ LG Display	Smart Phone						
	Watch						
⊖ Samsung Display	Foldable Phone						
	Smart Phone						
	Watch						
⊖ Tianma	Smart Phone						
	Watch						
⊖ Truly	Smart Phone						
⊖ Visionox	Smart Phone						
	Watch						
Total							

Yearly Forecast Revenue

- Contents
> Pivot of forecast revenue (US\$ million)

Nation (All)
Substrate (All)

		US\$ million					
Company	Application	2021	2022	2023	2024	2025	2026
⊖ AUO	Watch						
⊖ BOE	Foldable Phone						
	Smart Phone						
	Watch						
⊖ CSOT	Smart Phone						
⊖ EDO	Smart Phone						
	Watch						
⊖ JDI	Watch						
⊖ LG Display	Smart Phone						
	Watch						
⊖ Samsung Display	Foldable Phone						
	Smart Phone						
	Watch						
⊖ Tianma	Smart Phone						
	Watch						
⊖ Truly	Smart Phone						
⊖ Visionox	Smart Phone						
	Watch						
Total							



Main

Quarterly Supply and Demand Analysis

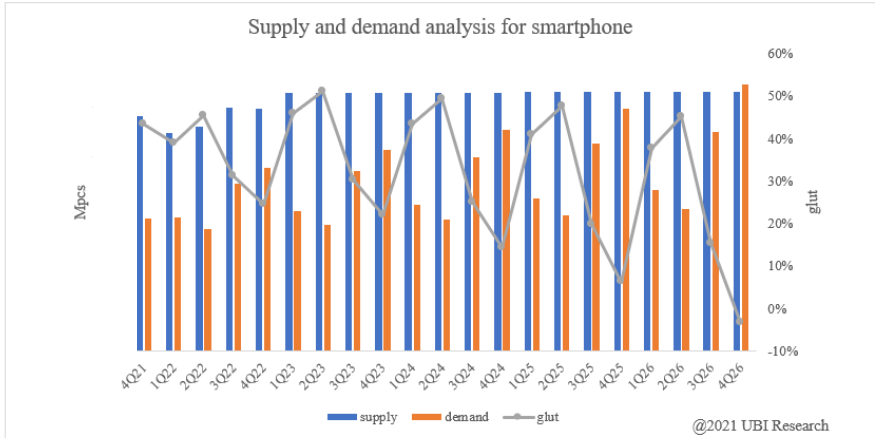
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> Supply and Demand Analysis for Smartphone

> Supply and Demand Analysis for Smartphone

(M pcs)

	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25	1Q26	2Q26	3Q26	4Q26	
supply																						
demand																						
glut																						





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