

Quarterly Small OLED Display Market Track Sample

4Q, 2022

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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)

파일 홈 삽입 페이지 레이아웃 수식 데이터 검토 보기 개발 도구 수행할 작업을 알려 주세요. 로그인

Calibri 11 가 가 텍스트 줄 바꿈 일반

가 가 간 글꼴 병합하고 가운데 맞춤 % 0.00 0.00 조건부 서식 표

삽입 삭제 서식 자동 합계 채우기 지우기 정렬 및 필터 찾기 및 선택

클립보드 글꼴 맞춤 표시 형식 스타일 셀 편집

A1

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD



Small OLED Display Quarterly Market Track_PIVOT

- 4Q22 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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잘라내기 복사 서식 복사 붙여넣기 클립보드
글꼴 맞춤 표시 형식
일반 조건부 서식 표 서식
자동 합계 채우기 지우기
정렬 및 필터 찾기 및 선택

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Data_Quarterly
 - Contents
 > Glass Area
 > Quarterly Capacity_Glass Area

	Nation	Company	Fab. Location	Gen	Backplane	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25	1Q26	2Q26	3Q26	4Q26	1Q27	2Q27
13	Korea	Samsung Display	Cheonan A1	4	LTFS TFT																										
14	Korea	Samsung Display	Tangjeong A2	5.5	LTFS TFT																										
15	Korea	Samsung Display	Tangjeong A3	6	LTFS TFT																										
16	Korea	Samsung Display	Tangjeong A3	6	LTPO TFT																										
17	Korea	Samsung Display	Tangjeong A4	6	LTFS TFT																										
18	Korea	LG Display	Paju E2	4	LTFS TFT																										
19	Korea	LG Display	Paju E6	6	LTFS TFT																										
20	Korea	LG Display	Paju E6	6	LTPO TFT																										
21	Korea	LG Display	Gumi E5	6	LTFS TFT																										
22	China	BOE	Mianyang B11	6	LTFS TFT																										
23	China	BOE	Mianyang B11	6	LTPO TFT																										
24	China	BOE	Chengdu B7	6	LTFS TFT																										
25	China	BOE	Chengdu B7	6	LTPO TFT																										
26	China	BOE	Ordos B6	5.5	LTFS TFT																										
27	China	BOE	Chongqing B12	6	LTFS TFT																										
28	China	BOE	Chongqing B12	6	LTPO TFT																										
29	China	CSOT	Wuhan T4	6	LTFS TFT																										
30	China	CSOT	Wuhan T4	6	LTPO TFT																										
31	China	Everdisplay	Shanghai	4.5	LTFS TFT																										
32	China	Everdisplay	Shanghai	6	LTFS TFT																										
33	China	Royole	Shenzhen	5.5	LTFS TFT																										
34	China	Tianma	Shanghai	5.5	LTFS TFT																										
35	China	Tianma	Wuhan	6	LTFS TFT																										
36	China	Tianma	Xiamen	6	LTPO TFT																										
37	China	Truly	Huizhou	4	LTFS TFT																										
38	China	Truly	Renshou	6	LTFS TFT																										
39	China	Visionox	Guan V2	6	LTFS TFT																										
40	China	Visionox	Hefei V3	6	LTFS TFT																										
41	China	Visionox	Hefei V3	6	LTPO TFT																										
42	China	Visionox	Kunshan V1	5.5	LTFS TFT																										
43	Japan	Japan Display	Mobara	6	LTFS TFT																										
44	Japan	Japan Display	Mobara	6	LTPO TFT																										

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Clipboard 글꼴 맞춤 표시 형식 스타일 셀 편집

A1 : X Y Z AA AB AC AD AE AF AG AH



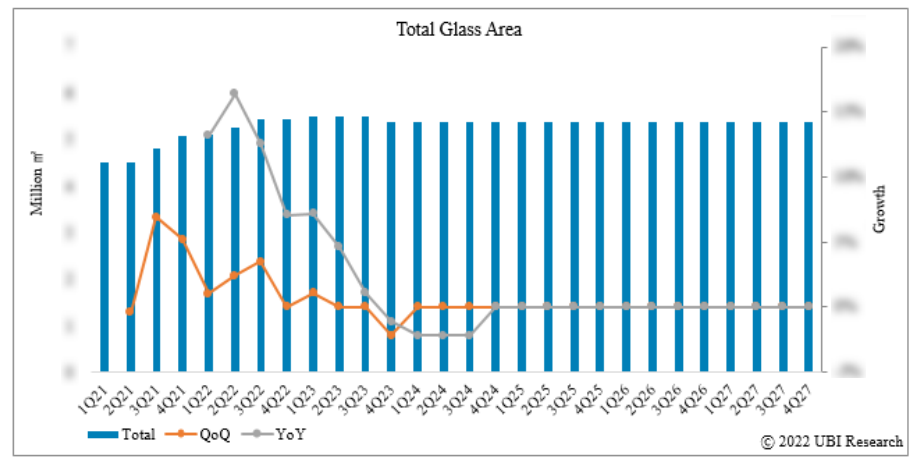
Main

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 m)

Item	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25	1Q26	2Q26	3Q26	4Q26	1Q27	2Q27	3Q27	4Q27	
Total																													
QoQ																													
YoY																													



파일 홈 삽입 페이지 레이아웃 수식 데이터 검토 보기 개발 도구 수행할 작업을 알려 주세요. 로그인

붙여넣기, 잘라내기, 복사, 서식 복사, 클립보드, 글꼴, 맞춤, 표시 형식, 스타일, 조건부 서식, 표 서식, 자동 합계, 채우기, 지우기, 정렬 및 필터, 찾기 및 선택

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Quarterly Shipment Performance

- Contents
> Pivot of quarterly shipment performance (Mpcs)

- Nation (All)
- Substrate (All)
- Size (All)

		Mpcs																			
Application	Company	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22	3Q22	
Smart Phone	LG Display	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	
	Samsung Display	87,440	87,776	108,864	88,224	78,224	88,224	108,864	110,528	87,440	87,776	78,224	108,864	114,880	107,840	117,440	119,840	107,840	88,224	78,224	
	AUO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BOE	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
	CSOT	-	-	-	-	-	-	-	-	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
	Tianma	8,712	-	-	-	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
	Truly	8,712	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Visionox	1,200	4,200	4,700	4,700	1,200	2,200	2,700	2,200	2,200	4,200	4,200	4,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
	EverDisplay	2,200	1,200	1,200	1,200	2,200	2,200	4,200	2,200	4,200	2,200	4,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
	Watch	LG Display	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
Samsung Display		8,712	1,200	2,200	2,200	8,712	1,200	2,200	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
JDI		-	-	-	-	-	-	-	-	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
AUO		1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
BOE		8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
Tianma		-	-	-	-	-	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
Visionox		8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
EverDisplay	2,200	2,200	2,200	2,200	2,200	4,200	4,200	2,200	4,200	2,200	4,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	
Foldable Phone	Samsung Display	-	-	-	-	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
	BOE	-	-	-	-	-	-	-	-	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712	8,712
	Visionox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,712	8,712	8,712	8,712
Game	Samsung Display	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,712	8,712	8,712	8,712
Total		97,360	98,976	120,864	100,128	88,224	100,128	120,864	126,880	97,360	97,696	88,224	120,864	126,880	119,840	129,840	119,840	100,128	88,224	78,224	

Quarterly Revenue Performance

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

- Nation (All)
- Substrate (All)
- Size (All)

		US\$ million			
Application	Company	1Q18	2Q18	3Q18	4Q18
Smart Phone	LG Display	880	880	1,460	1,460
	Samsung Display	5,080.7	5,080.0	6,880.0	6,880.0
	AUO	-	-	-	-
	BOE	7.0	18.0	180.0	180.0
	CSOT	-	-	-	-
	Tianma	8.0	-	-	-
	Truly	17.0	-	-	-
	Visionox	48.0	184.7	180.0	180.0
	EverDisplay	28.4	34.0	34.0	34.0
	Watch	LG Display	70.0	80.0	210.0
Samsung Display		48.7	81.0	180.0	180.0
JDI		-	-	-	-
AUO		11.0	11.0	11.0	11.0
BOE		8.0	8.0	8.0	8.0
Tianma		-	-	-	-
Visionox		8.0	8.0	8.0	8.0
EverDisplay	48.0	48.0	48.0	48.0	
Foldable Phone	Samsung Display	-	-	-	-
	BOE	-	-	-	-
	Visionox	-	-	-	-
Game	Samsung Display	-	-	-	-
Total		5,905.7	5,902.0	7,860.0	7,860.0

파일 홈 삽입 페이지 레이아웃 수식 데이터 검토 보기 개발 도구 수행할 작업을 알려 주세요. 로그인

Calibri 11 가 가 텍스트 줄 바꿈 일반

붙여넣기 복사 서식 복사

클립보드 글꼴 맞춤 표시 형식 스타일

삽입 삭제 서식 자동 합계 채우기 지우기 정렬 및 필터 찾기 및 선택

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Yearly Forecast Shipment

- Contents
> Pivot of forecast shipment (Mpcs)

Nation (All)
Substrate (All)

Company	Application	M pcs					
		2022	2023	2024	2025	2026	2027
AOU	Watch	5.8	5.8	5.8	5.8	5.8	5.8
BOE	Foldable Phone	2.0	4.0	4.0	5.0	6.0	7.0
	Smart Phone	75.0	86.0	86.0	110.0	130.0	150.0
CSOT	Watch	27.8	27.8	27.8	27.8	40.0	40.0
	Foldable Phone	0.1	0.1	0.1	0.0	0.0	0.0
EDO	Smart Phone	20.4	20.4	20.2	20.0	27.8	40.0
	Watch	19.8	20.0	20.0	20.0	27.8	20.0
JDI	Watch	20.0	20.0	20.0	20.0	27.8	41.0
LG Display	Watch	7.0	8.0	8.7	9.0	9.0	10.0
	Smart Phone	40.0	40.0	30.0	40.0	40.0	40.0
Samsung Display	Watch	40.0	40.0	30.0	30.0	40.0	50.0
	Foldable Phone	15.0	20.0	20.0	40.0	40.0	70.0
	Smart Phone	207.0	207.0	210.0	200.0	200.0	270.0
Tianma	Watch	19.0	20.0	20.0	27.8	30.0	30.0
	Smart Phone	10.0	10.0	14.4	16.0	16.0	16.0
	Watch	0.0	0.0	1.0	1.0	1.0	2.0
Visionox	Foldable Phone	0.0	1.0	1.0	1.0	1.0	1.0
	Smart Phone	20.0	20.0	27.8	40.0	47.8	50.0
	Watch	11.4	10.0	10.0	10.0	10.0	10.0
Total		794.0	790.0	790.0	840.0	840.0	910.0

Yearly Forecast Revenue

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

Nation (All)
Substrate (All)

Company	Application	US\$ million					
		2022	2023	2024	2025	2026	2027
AOU	Watch	50.0	50.0	50.0	50.0	50.0	50.0
BOE	Foldable Phone	400.0	800.0	800.0	900.0	1,000.0	1,100.0
	Smart Phone	2,200.0	2,400.0	2,400.0	4,210.0	4,900.0	4,700.0
CSOT	Watch	200.0	210.0	240.0	200.0	270.0	200.0
	Foldable Phone	10.0	10.0	10.0	10.0	10.0	10.0
EDO	Smart Phone	700.0	800.0	800.0	1,000.0	1,070.0	1,000.0
	Watch	200.0	200.0	200.0	200.0	200.0	200.0
JDI	Watch	170.0	180.0	180.0	180.0	180.0	200.0
LG Display	Smart Phone	2,700.0	2,700.0	2,000.0	2,000.0	2,000.0	2,000.0
	Watch	1,470.0	1,470.0	1,000.0	1,000.0	1,000.0	1,000.0
Samsung Display	Foldable Phone	1,000.0	2,000.0	2,000.0	5,000.0	4,000.0	7,000.0
	Smart Phone	21,400.0	18,000.0	18,000.0	17,000.0	17,000.0	16,100.0
	Watch	800.0	800.0	870.0	710.0	700.0	710.0
Tianma	Smart Phone	800.0	800.0	400.0	400.0	400.0	500.0
	Watch	4.0	0.0	10.0	10.0	10.0	10.0
Visionox	Foldable Phone	100.0	100.0	100.0	200.0	200.0	200.0
	Smart Phone	870.0	1,000.0	1,000.0	1,470.0	1,000.0	1,000.0
	Watch	100.0	100.0	100.0	100.0	100.0	100.0
Total		35,370.0	35,710.0	37,240.0	48,370.0	48,370.0	48,370.0

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잘라내기, 복사, 서식 복사, 클립보드, 글꼴, 맞춤, 표시 형식, 스타일, 조건부 서식, 표 서식, 삽입, 삭제, 서식, 자동 합계, 채우기, 지우기, 정렬 및 필터, 찾기 및 선택, 편집

A1 : X ✓ fx

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC



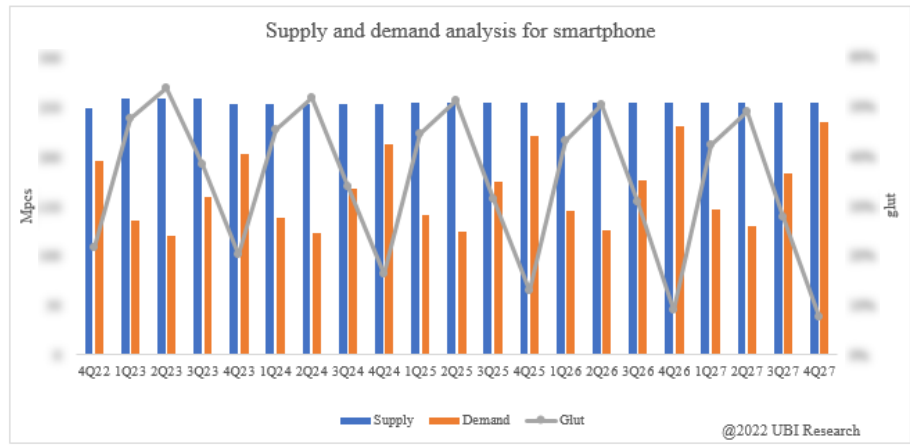
■ Quarterly Supply and Demand Analysis

- Contents
- > Supply and Demand Analysis for Smartphone

> Supply and Demand Analysis for Smartphone

(M pcs)

	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25	1Q26	2Q26	3Q26	4Q26	1Q27	2Q27	3Q27	4Q27
Supply	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
Demand	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
Gap	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10





Chief Analyst
Dr. Choong Hoon YI