

OED Company Profile& Product



广州奥翼电子科技股份有限公司
GUANGZHOU OED TECHNOLOGIES, INC.

Company Profile

Technologies

Black and White Electronic Paper
Color Electronic Paper



Major Shareholders

SALF Partners
FOXCONN
SOUTH BRIDGE
CHENGDU VENTURE INVESTMENT
HETAICHANGRUN



Profile

Established : 2008

Business: Electronic paper related products

Headquarters: Guangzhou Nansha District

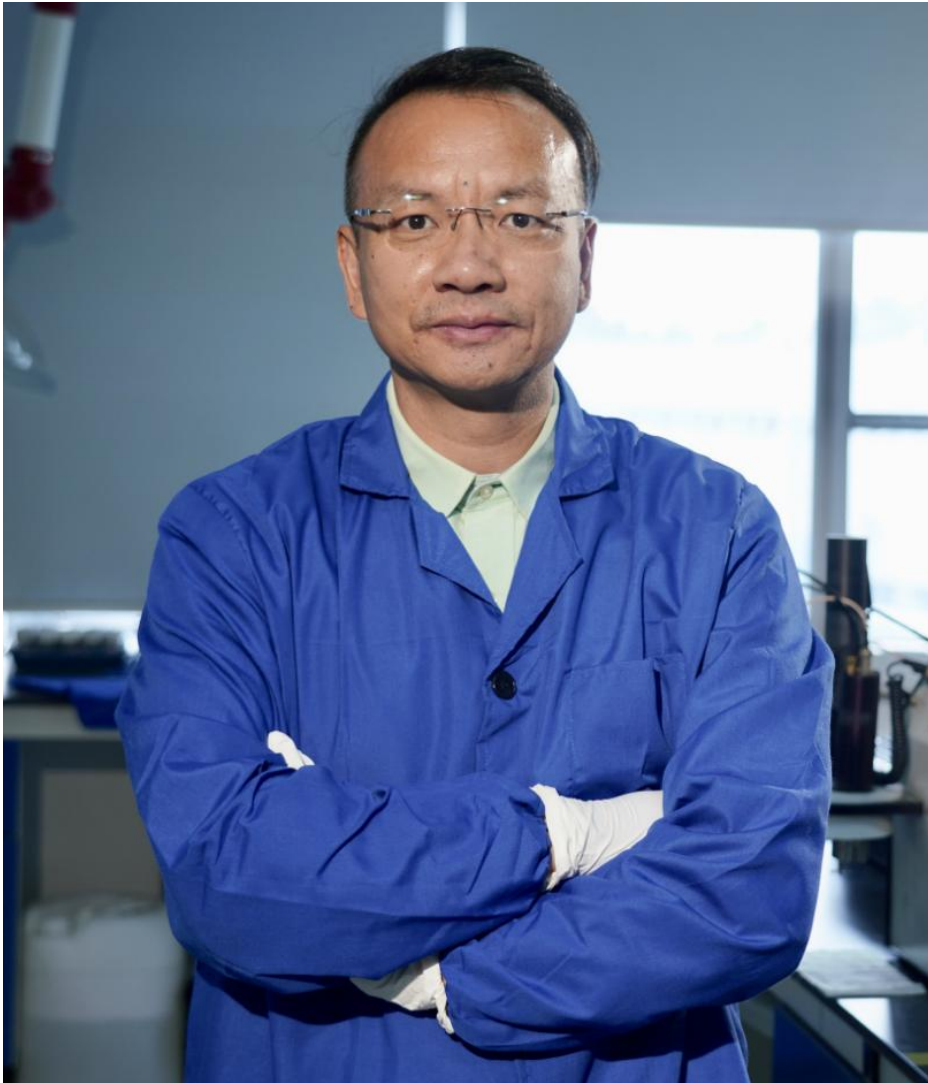
Sales Branch: Beijing, Shanghai, Shenzhen

Factory: Guangzhou

Patents: 407 patents applied in domestic & foreign, and authorized 217 items.

Investment Amount

100 million USD



Dr. Chen, Yu

FOUNDER & CEO

With leading the world's first ultra-thin, flexible, high resolution electronic paper display, which was praised by the international conference on electronic devices (IEDM) as one of the major advances in microelectronics in 2002.

The results of its ultra-thin display research were published in the science journal *Nature* in 2003, and Associated Press, Reuters and AFP published a lengthy press release, which was reported by more than 100 major media worldwide.

Bachelor's degree in physics, Sun Yat-sen University

Master's degree and Doctor's degree from Princeton University

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OED Technology Team



Andre Geim Professor
Chief Scientific Adviser

- The father of graphene
- Won the 2010 Nobel Prize in Physics
- Professor of the University of Manchester
- Member of the American Academy of Sciences
- Member of the Royal Society



Xi Zeng PH.D
Chief Engineer

- Ph.D. degree from Pennsylvania State University
- Postdoc Fellow in Georgia Institute of Technology
- Many years' working experience in Hewlett-Packard Inc., Amazon and other companies



Lei Zhang PH.D

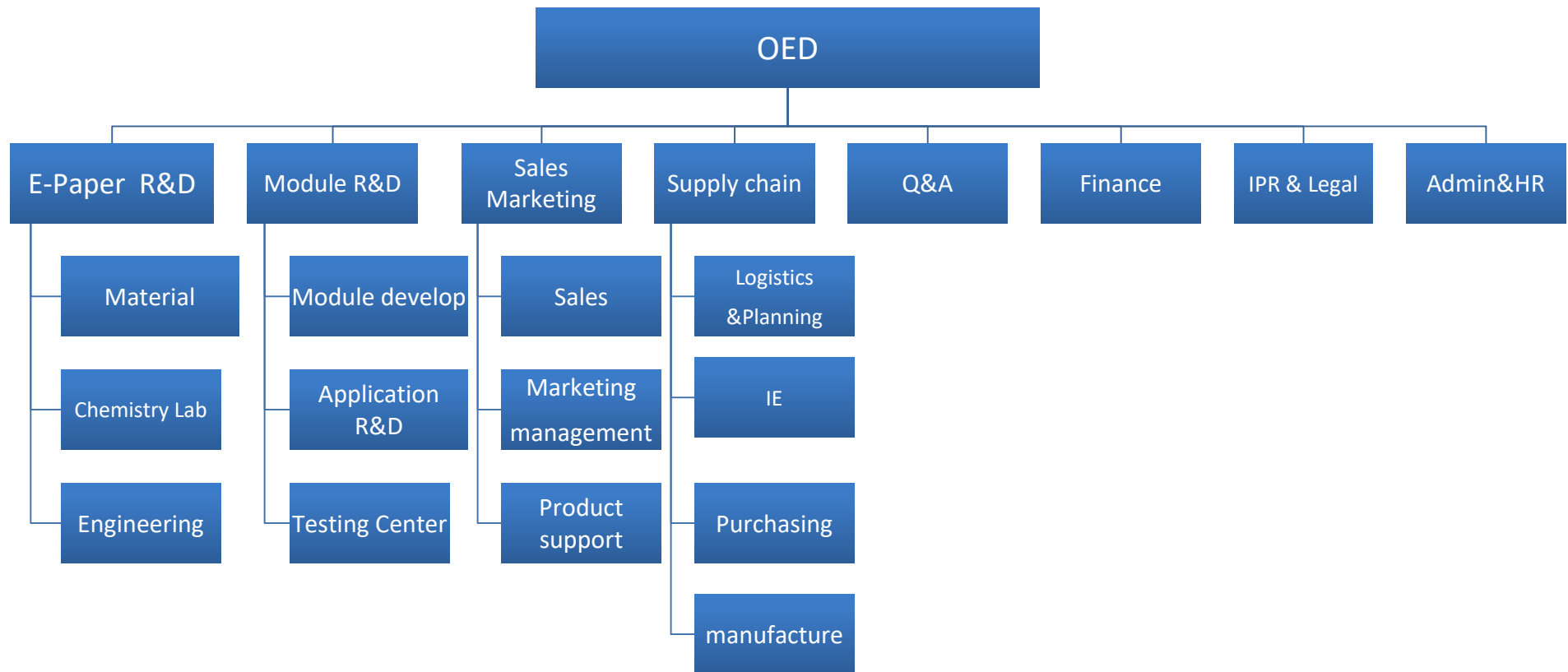
Chief Technical Expert

PhD in Chemistry from Rice University
Worked as the leader of Shenyang Research Institute of Chemical Industry

Company
Headquarters
&
R&D Base

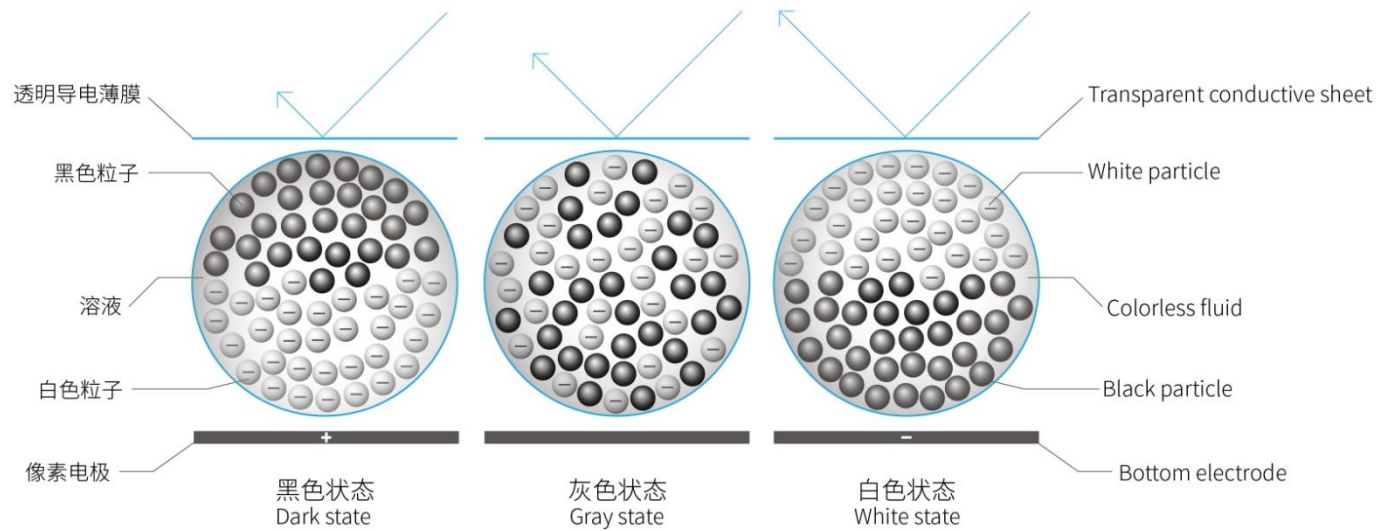


OED Company organization





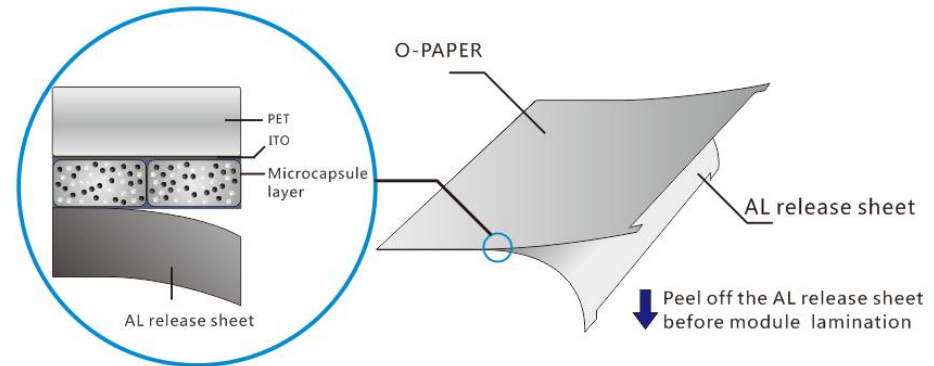
OED O-Paper™ Technical Principle



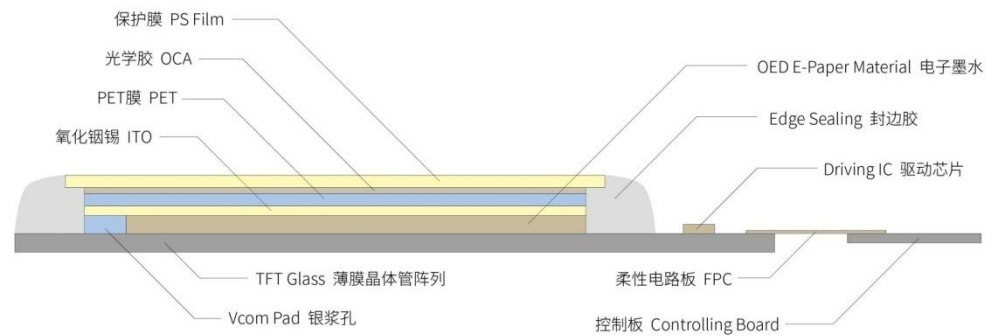
Microcapsule
Electrophoretic
Display

OED Diagram of Product Structure

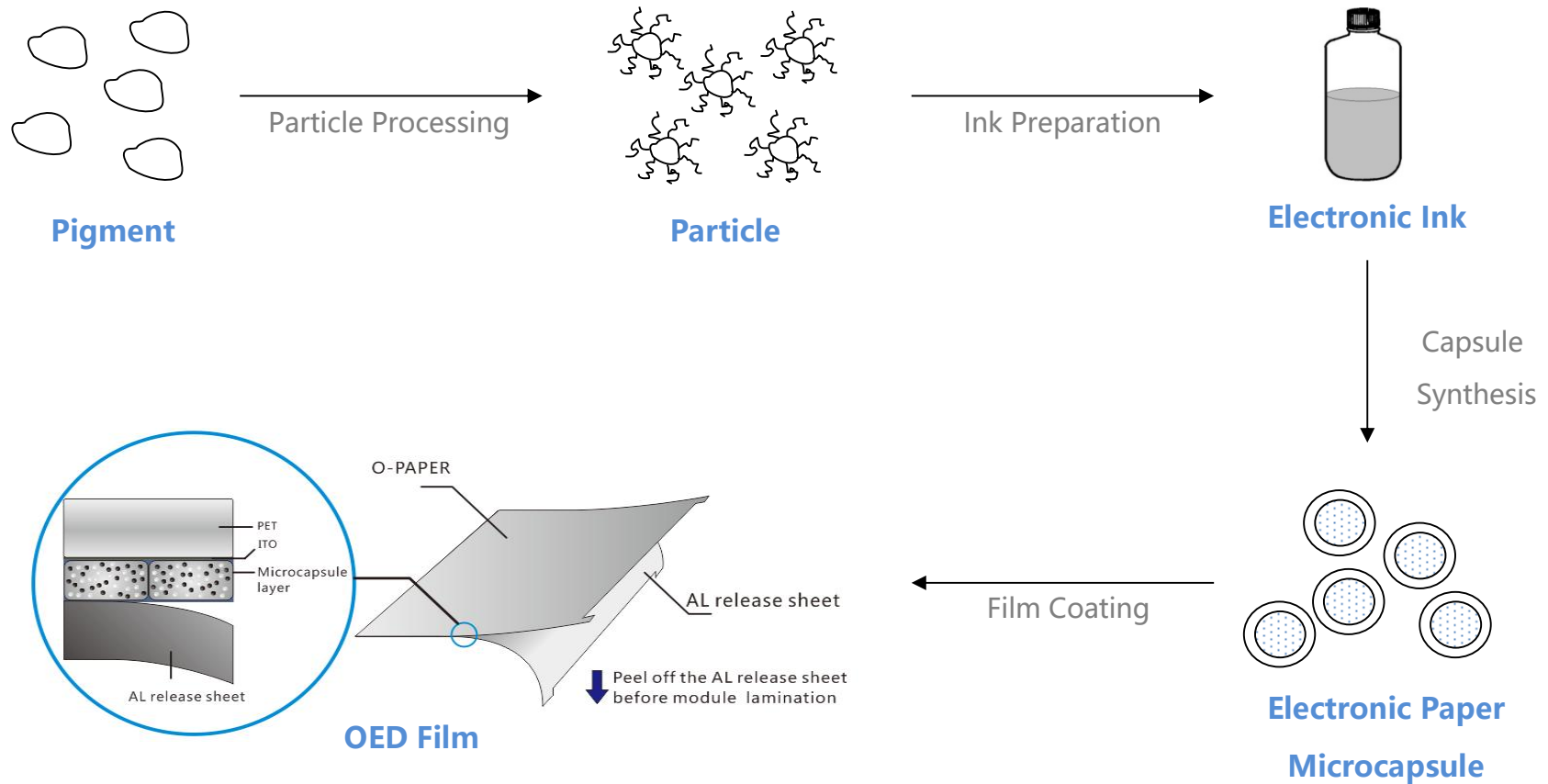
FILM



MODULE



OED O-Paper Film Process



R & D



OED R&D and Testing

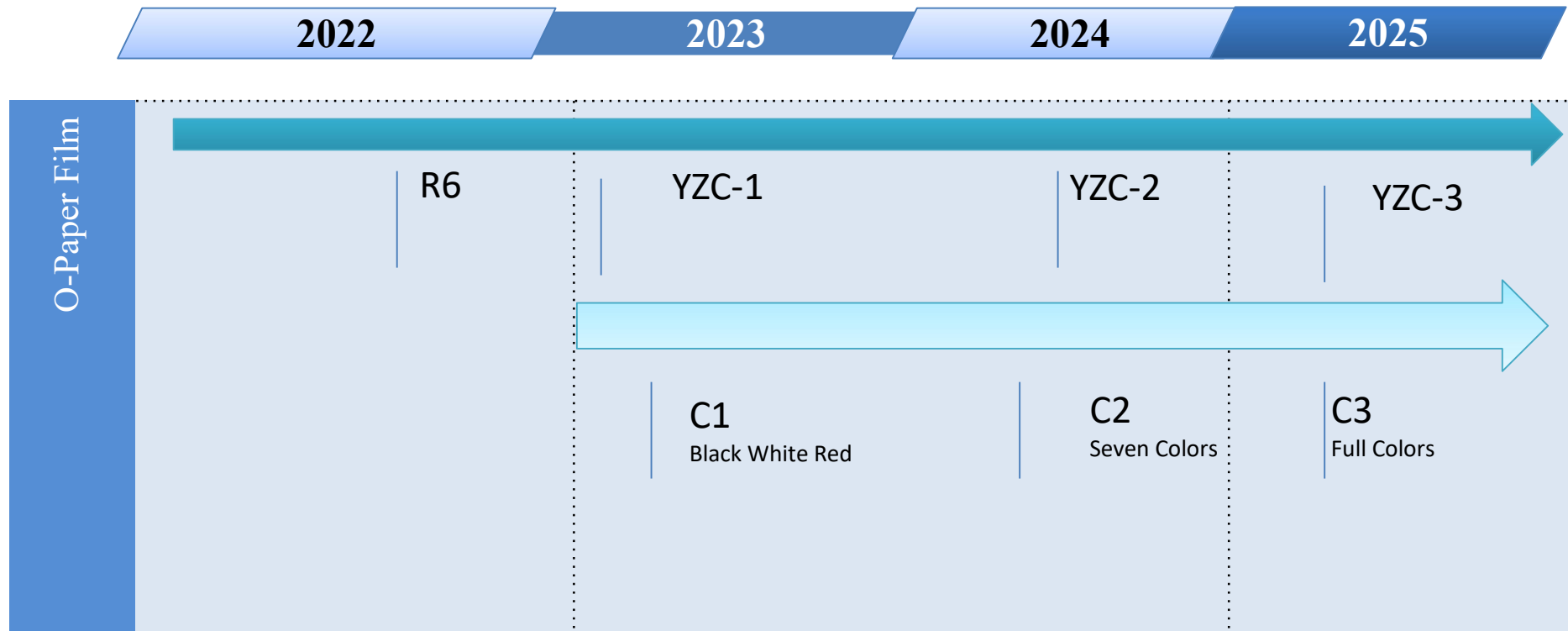
- Based in Tianhe, Guangzhou Aoyi Materials and Devices Research Institute Co., Ltd was founded by OED.



OED Manufacture

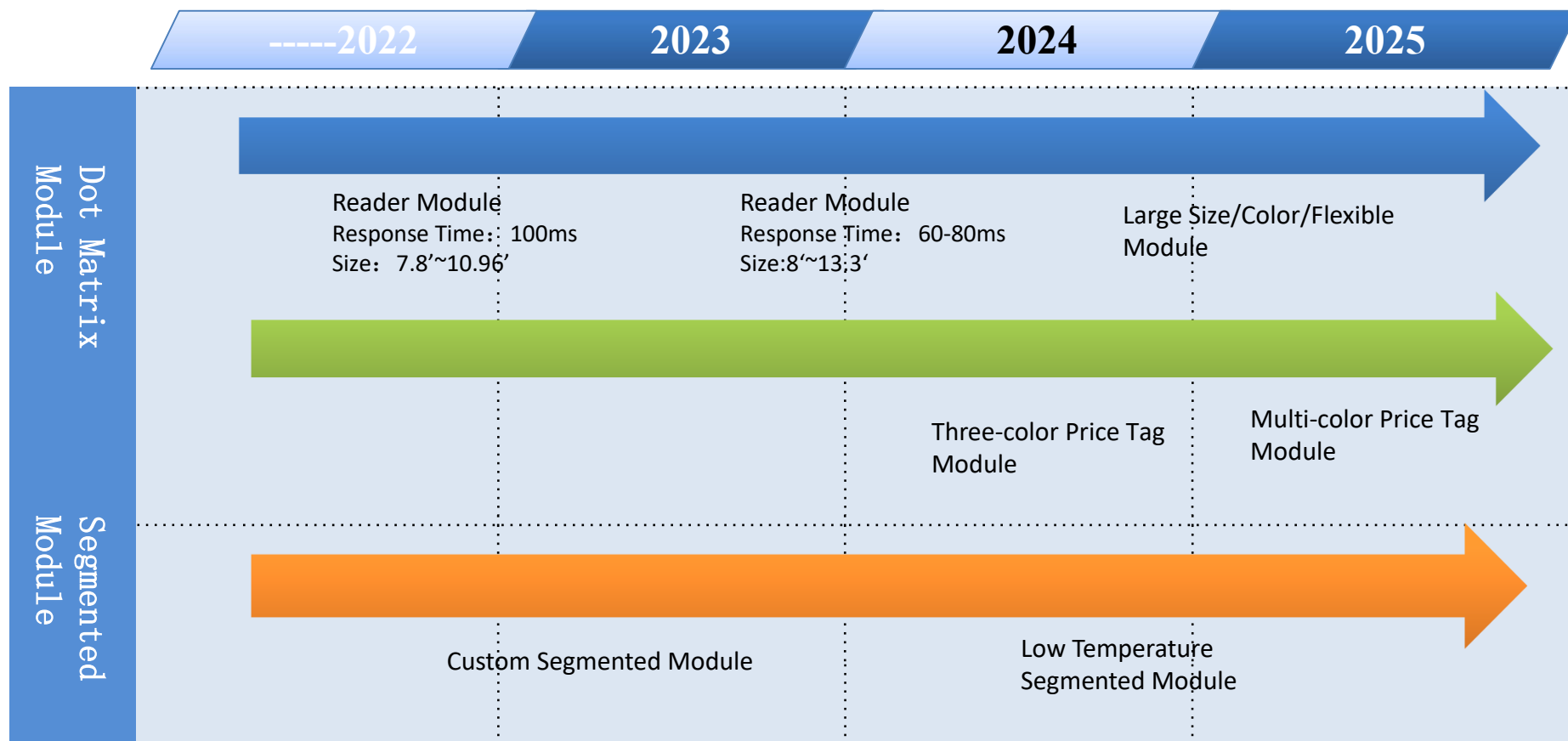


O-Paper Development & Planning



OED Product Roadmap

EPD Development & Planning





Standard EPD Module List (16 Gray)

Size	3.5"	4.3"	6"HD	6"FHD	7.85" FHD	10.3' Horizontal	10.3' Vertical	10.3'FHD Horizontal	10.3'FHD Vertical	10.96'	31.2'
Active Area (mm)	76.16 x45.7	66x88	68.04 x120.96	90.584 x122.356	118.638 x158.184	157.25 x209.66	157.248 x209.664	157.248 x209.664	157.248 x209.664	147.60x 236.16	691.2X388.8
Resolution	800x480	600x800	758x1024	1072 *1448	1404x1872	1872x1404	1404x1872	2240x1680	1680x2240	1920x1200	1440x2560
Dot Pitch (mm)	0.0952x 0.0952 (267dpi)	0.11x 0.11 (236dpi)	0.118x 0.119 (212dpi)	0.0845x 0.0845 (300dpi)	0.0845 x 0.0845 (300dpi)	0.112x0.112 (227dpi)	0.112x0.112 (227dpi)	0.0936 x0.0936 (271dpi)	0.0936 x0.0936 (271dpi)	0.123x0.123 (206dpi)	0.27x0.27 (160dpi)
TCON Inside	/	/	/	/	/	/	/	/	/	/	/
Interface	Intel80	Intel80	Intel80	Intel80	Intel80	Intel80	Intel80	Intel80	Intel80	Intel80	Intel80
Option	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS
Status	MP (MOQ 50K)	MP	MP	MP	MP	MP	MP	MP	MP	MP	MP





OED Standard EPD Module List (2 Gray)

[illegible]

OED Standard EPD Module List (Full color)

Size	7.85"	10.3'Horizontal	10.3' Vertical	10.96'	31.2'
Active Area (mm)	118.638x158.184	157.25x209.66	157.248x209.664	147.60x236.16	691.2X388.8
Resolution	702x936	1120x840	840x1120	960x600	720x1280
Dot Pitch (mm)	0.169x 0.169 (150dpi)	0.1872x0.1872 (135dpi)	0.1872x0.1872 (135dpi)	0.246x0.246 (103dpi)	0.54x0.54 (80dpi)
TCON Inside	/	/	/	/	/
Interface	Intel80	Intel80	Intel80	Intel80	Intel80
Option	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS	+TP +FL +COVER LENS
Status	MP	MP	MP	MP	MP

Customer Showcase

Reader & Education

Display	4.3"/6"/7.8'/8'/10.3'/10.96' AM TFT
Option	Touch/Front light
Color	Black & White
Grayscales	16 (4 bit)
Contrast Ratio	≥16:1
White Reflectivity	≥40%
Image update time	250 ms (1 bit), 450 ms (4 bit)
Viewing angle	near 180°
Operating Temp.	0 to 50°C
Storage Temp.	-20°C to 70°C

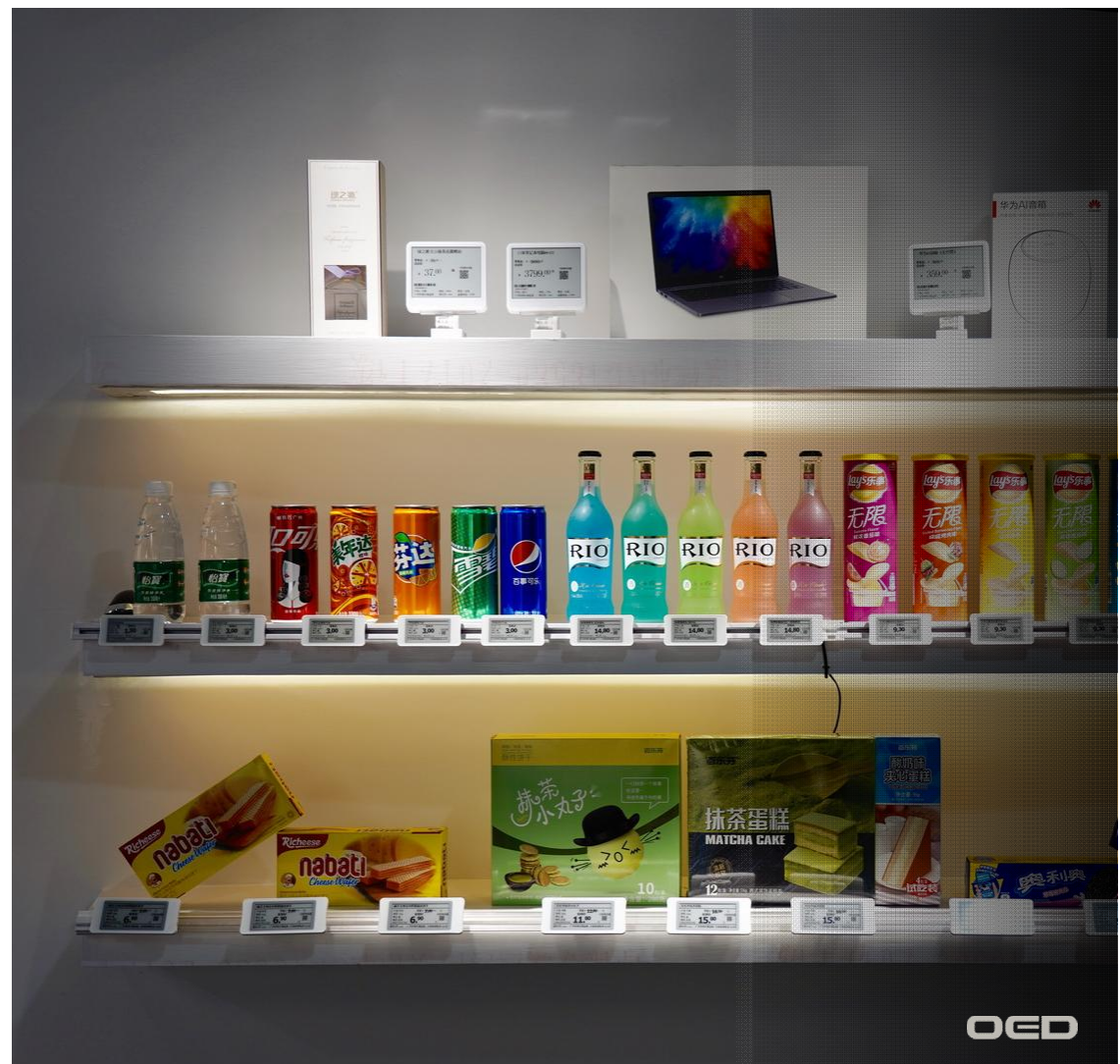


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Customer Showcase

Price Tag

Display	1.54~7.5" AM TFT
Option	TCON embedded
Color	Black & White
Grayscales	2 (1bit)
Contrast Ratio	≥10:1
White Reflectivity	≥45%
Image update time	0.6 s
Viewing angle	near 180°
Operating Temp.	0 to 50℃
Storage Temp.	-20℃ to 70℃



Customer Showcase - Smart Home & IOT

Display	1.54~7.5" AM TFT
Color	Black & White
Contrast Ratio	≥10:1
White Reflectivity	≥45%
Image update time	300 ms
Viewing angle	near 180°
Operating Temp.	0 to 50°C
Storage Temp.	-25°C to 70°C



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BY
S+ARCK®

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Customer Showcase - Smart Home & IOT

Display	Segmented Display
Color	Black & White
Contrast Ratio	≥10:1
White Reflectivity	≥45%
Image update time	300 ms
Viewing angle	near 180°
Operating Temp.	0 to 50°C
Storage Temp.	-25°C to 70°C



Customer Showcase - Smart Home & IOT

Display	1.3 flexible segment display
Option	
Color	Black & White
Contrast Ratio	$\geq 10:1$
White Reflectivity	$\geq 45\%$
Image update time	1 s
Viewing angle	near 180°
Operating Temp.	0 to 50°C
Storage Temp.	-25°C to 70°C



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Customer Showcase - Public traffic & Frame AD

Display	31.2" AM TFT
Option	Front light
Color	Black & White
Grayscales	16 (4 bit)
Contrast Ratio	≥16:1
White Reflectivity	≥40%
Image update time	1s
Viewing angle	near 180°
Operating Temp.	0 to 50°C
Storage Temp.	-20°C to 70°C



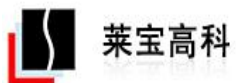
Customer Showcase - Consumer Electronics

Display	1.54~7.5" AM TFT
Color	Black & White
Grayscales	4 (2bit)
Contrast Ratio	≥10:1
White Reflectivity	≥45%
Image update time	300 ms
Viewing angle	near 180°
Operating Temp.	0 to 50°C
Storage Temp.	-25°C to 70°C





作业帮



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THANK YOU