



Dalian Good Display Co., Ltd.

- 1 E-paper Display Application
- 2 New Technology DES
- Performance Difference Between Original Technology and The DES
- Cost Difference Between Original Technology and The DES
- 5 Full Range of The DES Displays
- Sample Comparison Between
 Original Technology and The DES
- Wide Application Areas for DES in The Future

CContents TS

PART 01 E-paper Display Application

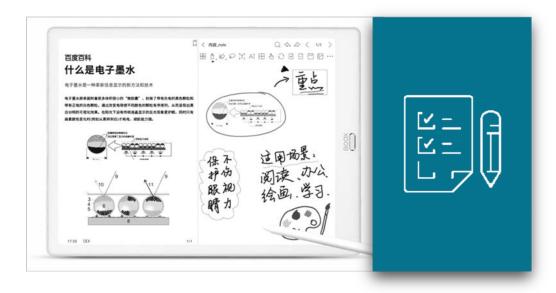


E-paper Display Application



E-book

E-book is a handheld reader that digitizes the content of text, pictures, sounds, images, and the like, and a set of storage and display terminals that embed or download digital text, pictures, sounds, images, and the like.



E-notebook

E-notebook is a kind of intelligent high-tech product that can replace traditional notebook and original handwriting. It is the latest fashion technology product and green product. It is mainly used for political and business people to use for mobile office and entertainment.



E-paper Display Application



Electronic Price Tag

An electronic display device that can replace the traditional paper price tag, is connected to the store database through the network, and displays the latest product information.



Electronic Price Tag

It is an electronic display device with information transmission and reception function, and is mainly used in electronic labels for displaying price information in supermarkets, convenience stores, pharmacies, and the like.



Electronic Price Tag

The shelf was incorporated into the computer program, freed from the manual replacement of price tags, and the price consistency between the checkout counter and the shelf was achieved.

Application Scenario









Smart Card



E-nameplate



Smart Phone



Intelligent Terminal



Smart Bus



Gas Station



Wisdom House Number



Electronic Tag



E-notebook



Public Information



Smart Medical

Application Scenario



E-paper Whiteboard



Building Decoration



Cafe Menu



Traffic Sign



Logistics Label



Luggage Tag



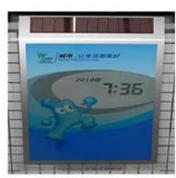
Gas Station Price Tag



Cinema Board



Phone Case



Exhibition Board



Billboard



Laptop Keyboard



Shelf Label



ESL Tag

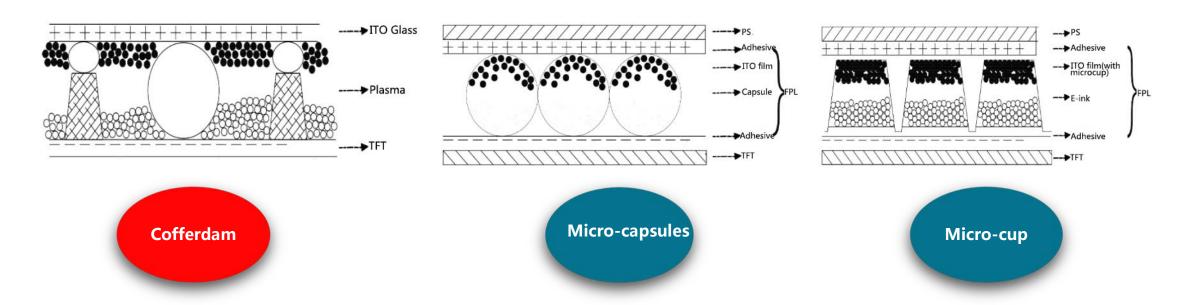


Trunk

PART 02 | New Technology - DES Display Electronic Slurry (DES)



Structure Diagram of New and Original Technology

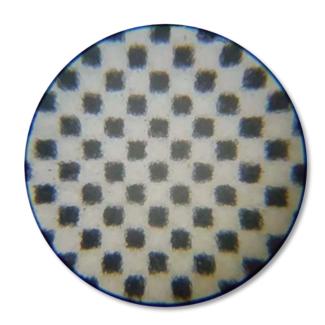


Display Electronic Slurry (DES)

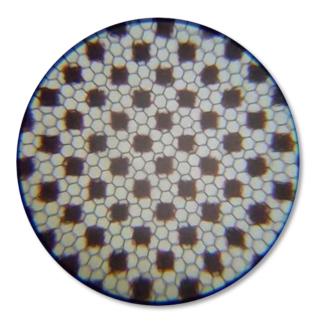
The DES display module adopts a new display structure which is completely different from the current micro-cup and micro-capsule structure. The structure forms a layer of cofferdam structure on the surface of the TFT by forming a cofferdam around the periphery of a single pixel electrode, and the bank covers the source and gate lines on the TFT. The patterned structure is characterized in that each pixel electrode is surrounded by a cofferdam, the microstructure is not visible on the front side, and the number of layers is reduced, thereby obtaining the higher definition and resolution display effect. In order to distinguish it from the traditional micro-cup and micro-capsule technology, we call it the new display electronic slurry (DES) technology.



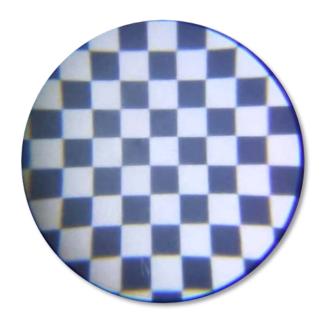
Pixel Display Difference



Micro-capsule Pixel Display



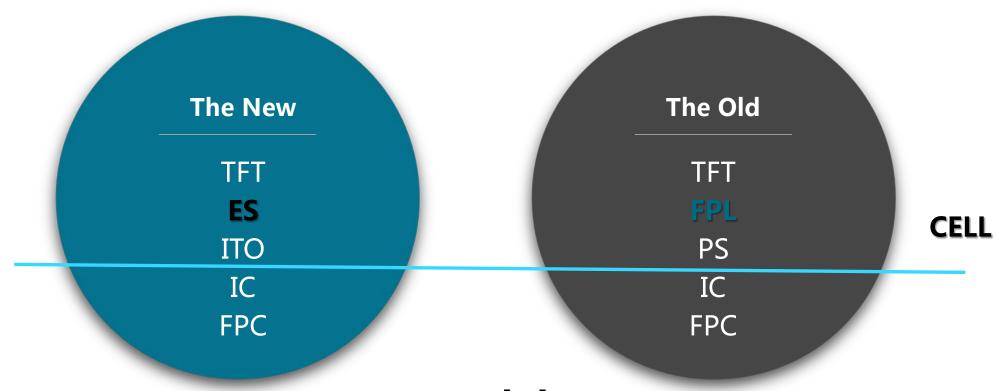
Micro-cup pixel display



DES pixel display



Process Difference Between Original Technology and The DES



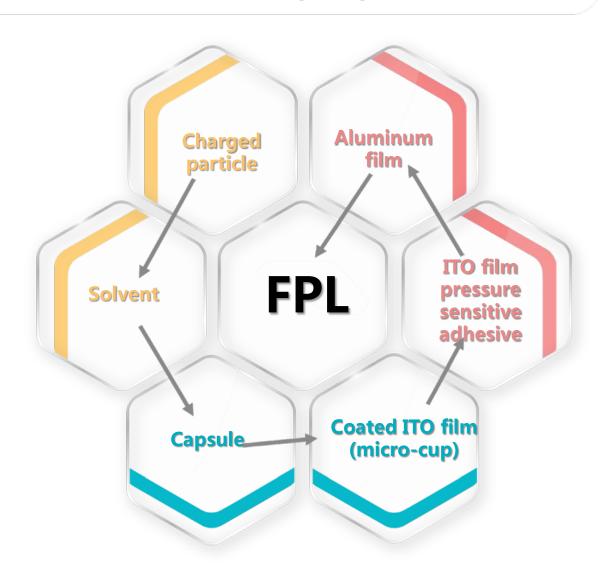
EPD Module

ES: Electronic Slurry

FPL: Front Plane Laminate

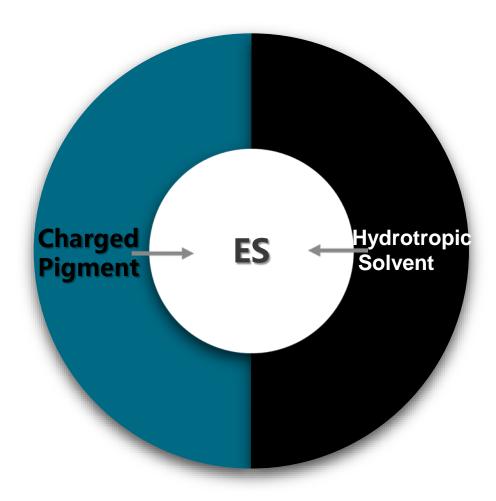


E-ink Front Plane Laminate (FPL) Proccess





Composition of ES (Electronic Slurry)



PART 03 | Performance Difference Between Original Technology and The DES



Performance Difference Between EPD and DES





Operating Temperature.

DES: -20°C~60°C

EPD: 0°C~50°C



Working Humidity

DES: 0°C~80°C

EPD: 25°C~60°C



Contrast

DES: >1:45

EPD-BW: <1:8

EPD-Tri-color: <1:25



Resolution

DES: Max 600DPI

EPD: Max 300DPI



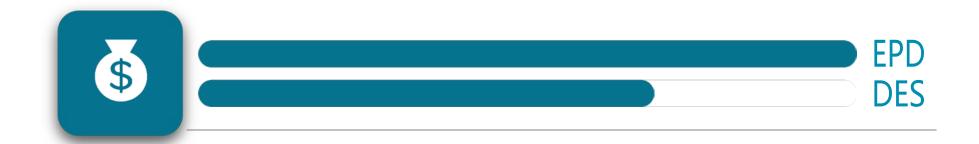
Power consumption

 $DES:1{\sim}3mA$

EPD: 2~5mA

PART 04 | Cost Difference Between Original Technology and The DES





Cost Reduction

PART 05 Full Range of The DES Displays









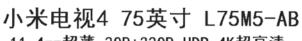












11.4mm超薄 2GB+32GB HDR 4K超高清 人工智能语音网络液晶平板电视

原价 10000.00

商品名称: 小米L75M5-AB 观看距离: 3.5m以上

屏幕尺寸: 75英寸

商品编号: 6703028 分辨率: 4K超高清

能效等级: 3级

商品详情

☎ 价格监督电话: 12358





































2.13 inch



2.15 inch





















2.13 inch



2.15 inch























PART 06 | Sample Comparison Between Original Technology and The DES



Sample Comparison Between EPD and DES





DES EPD

PART 07 | More Application for DES in The Future



Other Exploitable Application



Pressure Gauge



Electric Meter



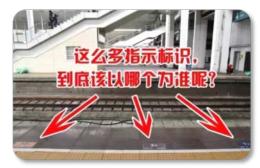
Instrumentation



Production Line Signate



Temperature and Humidity Board



Station Waiting Sign



Bank Counters



Queuing Machine





Other Exploitable Application







Smart Classroom





DES Display Technology

Thanks For Watching

Ver.20190930