This AMOLED Device Structure Report discusses latest commercialized panel technologies and device structures including development trend in panel makers. The report also covers the supply chain for device materials and products using the devices. The report also reviews development status and mass production plans of newly entering panel makers that are preparing to produce AMOLED displays by country. This report is organized to give an overview of the development of AMOLED display device technologies. It provides great resource for companies proceeding with or preparing for AMOLED related businesses.

Key issues addressed
- Development in the structure of RGB device
- Development in the structure of WOLED device
- Etch device thickness by application
- Development status of next generation devices and outlook for the application
- Supply chain of AMOLED display makers by device for materials

Applicable to
- Brand manufacturers/OEMs/ODMs for TVs/monitors/mobile PC
  - Product planning managers for system sales
  - Procurement managers for display components
- Display panel suppliers
  - Product marketing/strategic planning managers for display panels
- Display component suppliers
- Manufacturers of competitive TECHNOLOGIES
- Investment community
  - Fund managers / investors / analysts with interest in display companies

Actuals and Forecast
Frequency, time period
- Annual update

Products Covered
- Small/medium sized AMOLED devices
- Material for large-sized AMOLED devices
Lead Analyst

Kihyun Kim – Senior Analyst

Kihyun is a senior analyst at IHS Technology and responsible for the TFT LCD/AMOLED materials market.

Kihyun worked in Doosan Electro-Materials Co. and Soulbrain Co. for seven years as a technical sales expert. Along with years of hands-on experiences in the display materials industry, he has built a strong network with experts in the panel industry, in particular professionals in the leading global panel manufacturers based in South Korea, such as Samsung Display Co. and LG Display Co.

Richard Son – Senior Analyst

About IHS

IHS (NYSE: IHS) is the leading source of information, insight and analytics in critical areas that shape today’s business landscape. Businesses and governments in more than 165 countries around the globe rely on the comprehensive content, expert independent analysis and flexible delivery methods of IHS to make high-impact decisions and develop strategies with speed and confidence. IHS has been in business since 1959 and became a publicly traded company on the New York Stock Exchange in 2005. Headquartered in Englewood, Colorado, USA, IHS is committed to sustainable, profitable growth and employs 8,000 people in 31 countries around the world.

Table of contents

- Overview
- Definitions
- Research methodology
- AMOLED industry trends
- Company status of panel maker
- AMOLED device technology trends
  - FMM RGB device
  - WOLED device
- AMOLED structure by device
  - Device for mobile phone
  - Device for AMOLED TV
  - Device for tablet
  - Device for watch
- Supply chain by panel maker