

What is E INK Spectra 6?

Spectra 6 is the latest E Ink technology that builds upon the prior generations of ePaper. Instead of utilizing black and white microcapsules to form text and images, it utilizes RED, YELLOW, BLUE, and WHITE microcapsules. Spectra 6 features an enhanced color spectrum and an advanced color imaging algorithm to provide full color performance on the same ultra low power display technology. It will be offered in a variety of display sizes, allowing customers to choose a suitable size for different application scenarios.

IDS and E Ink are proud to release 13.3" and 31.5" Spectra 6 ePaper together in April 2024.

Applications

Mobile Digital Signage
Digital Art Gallery
Digital Movie Posters

Advantages

Vivid Full Color
Ultra Low Power Consumption



13.3"

Platform:	E Ink Spectra 6
Resolution:	1200x1600 (3:4)
PPI:	150
Active Area:	202.8 x 270.4
Glass Outline:	208.8 x 284.7
Colors/Pixel:	6 primary colors
Panel Surface:	Haze 6.5%+/-2%
Operating Temperature:	0 ~ 50 C
Storage Temperature:	-25 ~ 60 C
Interface:	QUAD SPI
EVK Controller:	ESP-32 (MCU)



31.5"

Platform:	E Ink Spectra 6
Resolution:	2560x1440 (16:9)
PPI:	94
Active Area:	696.32 x 391.68
Glass Outline:	703.52 x 406.48
Colors/Pixel::	6 primary colors
Panel Surface:	Haze 6.5%+/-2%
Operating Temperature:	0 ~ 50 C
Storage Temperature:	-25 ~ 60 C
Interface:	QUAD SPI
EVK Controller:	ESP-32 (MCU)

We welcome an opportunity to personally discuss your display application at a time that is convenient for you. Please advise if I can answer any questions.

Thank You!