

E INK TRITON IMAGING FILM™

ACTIVE MATRIX

COLOR

ELECTRONIC PAPER DISPLAYS

Triton Visual Performance

Display Type	Reflective electrophoretic
Imaging Component	E Ink Triton Imaging Film
Colors	Black, White, Grayscale, Color
Contrast Ratio	10:1 (minimum)
White State	70 (minimum)
Dark State	24 (maximum)
Bit Depth	4096 colors, plus 4-bit CR bias
Reflective	40% (minimum)
Viewing Angle	Near 180 degrees
Image Update Time	120ms - 980ms
Update Modes	Color, Text, Pen, Animation

Module Drive Electronics

Switching Voltage	+/- 15 volts
Drive Method	Active Matrix TFT
Electronic Partners	Epson
	Texas Instruments
	Marvell
	Maxim Semiconductor
	Freescale Semiconductor

Module Environmental and Lifetime Characteristics

Operating Temp. Range	0 to 50 degrees Celsius
Storage Temp. Range	-25 to 70 degrees Celsius
Service Life	50k hours

Module Display System

Available Display Sizes	2 to 12 inches
Display Thickness	1.2 mm
Resolution	Capabilities exceed 200 DPI
Aspect Ratio	Typical eBooks use 4:3

BENEFITS:

Enhanced with Color

Improved Speed

Lowest Power

E Ink continues to revolutionize the ePaper market with E Ink Triton Imaging Film. Triton ePaper displays deliver high-contrast, sunlight readable, low-power performance that further closes the digital divide between paper and electronic displays. Triton enhances the visual experience for ePublishing markets.

Triton is capable of displaying thousands of color for image-rich information applications showing charts, graphs, maps, photos, comics and advertising.

APPLICATIONS

E Ink Triton enables color ePaper solutions, enhancing the visual experience for:

- eBooks
- eNewspapers
- eTextbooks