E Ink Aurora™ Imaging Film

Technical Spec Sheet

E Ink Aurora, a first-of-its-kind electronic paper display (EPD) able to perform in sub-zero temperatures.

Visual Performance

Display Type	Reflective Electrophoretic
Imaging Component	E Ink Aurora ePaper Display Film
Contrast Ratio	9:1 (min)
White State (L*)	67 (min)
Dark State (L*)	25 (max)
Color Resolution (# Bits)	1-Bit (Black & White)
% Reflectance	36.6%
Viewing Angle	Near 180°
Image Update Time	120 msec (1-Bit)
Update Modes	Full & Partial Page Update, Pipelined

Module Drive Electronics

Switching Voltage	+/- 15 Volts
Drive Method	Active Matrix, TFT
Electronic Partners	Epson
	Solomon Systech
	ITE
	TeamTech
	Ultrachip

Module Environmental and Lifetime Characteristics

Operating Temp. Opt.1	-15°C to 10°C
Operating Temp. Opt.2	0°C to 50°C
Storage Temp.	-15°C to 85°C
Service Life	10 million switches or 5 years

Module Display System

Available Display Sizes	2.0 and 6.0 in
Display Modules	Glass TFT
Display Thickness	1.2mm
Display Resolution	Up to 212 dpi

Benefits:

- Low Temperature
- Wide Viewing Angle
- Low Power

E Ink's Aurora ePaper display supports applications in extreme conditions as cold as -15°C. This enables merchants to clearly market their products from within refrigerator or freezer display cases. Medical, shipping and logistical applications can use E Ink Aurora displays to display and update vital information in situations where the contents require refrigeration.
E Ink Aurora ePaper displays offer the same industry-leading low power performance and readability, which outperforms LCD alternatives.

Applications:

Aurora provides an ideal solution for the following industrial applications requiring refrigeration:

- Electronic Shelf Labels
- Medical
- Logistics

For additional information please contact sales@eink.com