PVI's complete development solution kit is available for Product Design Engineers utilizing the E-Book Device System. They can write software applications with the E-Book reader device and also have hands-on access to the electronic paper display (EPD) which is integrated in the E-Book device system. This kit accelerates your time-to-market because you can develop your device quickly.

The development kit includes a 6" SVGA(800x600) Active Matrix display with high resolution, easy-to-read, low-power function. The kit can be used for software and hardware development.

The development kit includes:
- Samsung S3C2410 (ARM9 SOC chip) as host CPU
- Linux 2.4.18 OS ported on Samsung S3C2410
- Linux development environment on Samsung S3C2410 is included
- Nano-X window API ported on Linux OS
- Electronic Display Panel

For more details, refer to the following page.

**Electronic Paper Display Benefits**
- Paper-like readability
- Sunlight and non-uniform light visibility
- High reflectivity, high contrast & resolution
- Viewing angle ~180 degree
- Ultra – Low Power Consumption
- Long-term Bi-stable Image – content preserved without power
- Prolonged battery life

Create your own 6 inch EBOOK reader device with Electronic Paper Display !!!
## Display Module Specifications

### Optical
- White State reflectivity: 30% (typical)
- Contrast Ratio: 8:1 (typical)
- Viewing Angle: >70 degree
- Grayscale Capability: 2 bit
- Switching speed: 500ms
- Colors: Black & White

### Mechanical / Dimensional
- Resolution: 800x600 (SVGA)
- Pixel Pitch: 0.151 (h)x0.153 (v)
- Pixel Configuration: Rectangle
- Active Area: 90.6x122.4mm (6”)
- Display THK: 1.5mm
- Display Weight: 35g
- Backlight: None

### Environmental
- Operating Temperature Range: 0~50C
- Storage Temperature Range: -25~70C

### Interface
- Supply Voltage: 3.0V

## E-book Device Kit Components Specification

### Display subsystem
- Production sample active matrix
- EPD display Multi-function Display controller

### Host system
- Samsung S3C2410 processor Linux
- Operating system pre-installed
- Multiple input-output option, USB, Serial SD card reader (512MB card Included)

### Power supply
- Universal power adapter

### Software
- Demonstration e-book application
- Display driver software
- gcc PC-to-S3C2410 cross-compiler and development environment
- Source code for all software

### Documentation and support
- Getting Started Guide and Manual
- On-line support and user’s group

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For more information, please contact:

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Please note that all specifications are subject to change without prior notice.