

Kodak

NexPress

VII Front End with
System 15 Software



Lightning fast, radically productive

All **Kodak NexPress** Front Ends are built on open standards and have a scaleable, highly configurable architecture that allows you to expand processing power as your production needs grow in image and data intensity.

Choose from powerful options to meet the demands of your specific workflow environment:

- The **NexPress** VII Front End drives all the presses within the **Kodak NexPress** Digital Production Color Platform. There are three configurations to choose from:
 - Performance for lower speed presses and limited variable data applications
 - High performance for standard digital print applications
 - Ultra performance ideal for photo-rich and high-volume variable content data applications
- The front end offers robust job management, imposition, color management, screening, raster image processing, engine/accessory control and maintenance services.
- Can be configured for a variety of environments, from a self-contained solution to a highly automated component tied to a **Kodak Prinergy** Workflow System.
- All options feature System 15 Software with:
 - Economy Mode - Prints 4 colors with 10%+ less ink consumption
 - Ink Optimization - offers ability to control and match output from NexPress press to press or over time on the same press
 - Smart RGB - Smooths skin tones while keeping detail in RGB photos

The front end provides a rich set of tools to capitalize on the excellent image quality and unique benefits of the business-

building **Kodak NexPress** Fifth Imaging Unit Solutions (gold, dimensional printing, red fluorescing ink, HD light black ink, clear coating, gloss, color gamut expansion and more).

The Ultra Performance configuration is ideal for new capabilities such as SmartRGB, which refines RGB images within the file. It reduces JPEG compression errors while still keeping fine details and Economy Mode, which provides lower running costs for white paper in applications. The Ultra Performance configuration provides maximum quality and productivity.

Unique real-time trapping of variable content results in high image quality, such as smooth edges on variable text in knockouts.

Front end performance is enhanced by the use of single, four or eight logical raster image processors. The system supports the traditional **Pantone** Color Matching System, **Pantone Goe** System, as well as the **Pantone Plus** Color Matching System.

Fast Adobe PDF print engine processing

The front end utilizes the **Adobe** PDF Print Engine, which natively processes PDF files. The PDF Print Engine caches static and variable images, text and line art, so data is only ripped once, minimizing processing time. It provides support for managing transparencies, fine gradations and direct rendering of RGB images, which in turn reduces time spent fixing files in prepress and delights creative designers.

The system also supports **Adobe PostScript** and PPML/VDX and PDF/VT formats for streamlined production in variable print applications. Remote management system support is available from **Microsoft Windows** and **Apple Macintosh** platforms, and the **Kodak NexPert** Operator Support System provides extensive tools for operators to easily manage quality and uptime performance of the press.

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Technical Data

NexPress VII Front End	<p><i>Performance:</i> Microsoft Windows 2012 R2 Server; Dual core Intel Pentium Processors with 8GB RAM and 1TB (1.72K RPM Drive) Hardware</p> <p><i>High Performance:</i> Microsoft Windows 2012 R2 Server; Multi-core Intel Xeon Processors with 32GB RAM and 2TB (4 7.2K RPM 500GB Drives) Hardware RAID 0 SATA Array</p> <p><i>Ultra Performance:</i> Microsoft Windows 2012 R2 Server; Multi-core Intel Xeon Processors with 64GB RAM and 1.8 TB (6 10K RPM 300GB Drives) Hardware RAID 0 SATA Array</p>
Interpreter	Adobe PDF Print Engine
Network environments	10/100/1000 M bit/sec Ethernet
Protocols	All protocols supported by Windows 2012 R2 Server including LPR and TCP/IP
Trapper compressor board	<p><i>Performance:</i> Single Trapper Compressor Board (TCB)</p> <p><i>High Performance:</i> Single TCB</p> <p><i>Ultra Performance:</i> Dual TCB</p>
Monitor	<i>Performance:</i> 19 in. LCD; <i>High and Ultra Performance:</i> 23 in. LED
Operator table (LxWxH)	1981 x 1219 x 864 mm (78 x 48 x 34 in.)
Workflow automation	Job Definition Format (JDF) for job ticketing; Job Messaging Format (JMF) for job and machine status
File formats supported	Adobe PDF 1.7 and earlier; Adobe PostScript II and III, Adobe PDF Print Engine 3.2 , compatible with Acrobat 11
Variable data formats supported	PDF/VT, VDX ANSI, CGATS 20.2002 (uses PPML 2.0); PDM VDX legacy support (uses PPML 1.5)
Client environments	Microsoft Windows 2007/8/8.1/12; Apple Macintosh OS X 10.3 - 10.9
Power	200-240V AC, 10A, 50-60Hz, Energy Star 2.0 Compliance
Halftone screens and screen ruling in lpi	<ul style="list-style-type: none"> ▪ Classic HD: Y 200 M 175 C 175 K 175 ▪ Classic: Y 180 M 155 C 155 K 155 ▪ Supra: Y 189 M 133 C 144 K 133 ▪ Optimum: Y 141 M 158 C 158 K 212 ▪ Line: Y 161 M 163 C 163 K 161 ▪ Kodak Staccato DX Screening: Variable AM and FM based on image content ▪ Economy Mode: CMYK 120 lpi
Imposition finishing styles	Consecutive, Perfect Bound, Saddle Stitch, Cut and Stack, Odd-Even Perfecting, Perfect Bound – Right to Left, Saddle Stitch – Right to Left
Spectrophotometer supported	x-rite i1Pro2
ICS	Kodak i2400
User Security Levels	Multiple levels of security available, based on user profile



Kodak NexPress Digital Production Color Presses are **Pantone® PMS** and **Pantone Plus** licensed.

To learn more about solutions from Kodak:
Visit graphics.kodak.com

Produced using **Kodak** Technologies.

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