



Kodak NexPress Developer's Interface Guide

For System 14.0

Guide Specification

Version 14.0

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1 Introduction

The NexPress digital production color press is designed to handle a wide range of applications from short-run and quick turnaround, to variable data printing. It uses an open and standards-compliant architecture to integrate existing software applications. The NexPress digital production color press is driven by the NexPress front end controller. The NexPress front end is a scalable and open PDF-based product. It supports hot folder and JDF/JMF-based job submission and JMF-based job and press management.

Some of the key features of the NexPress front end are:

- Built upon Adobe® PDF-based workflow architecture
- Scalable hardware
- Accepts Job Definition Format (JDF) Job Tickets
- Supports hot folder submission
- Supports common static page description language (PDL) formats including Adobe® PDF, Adobe® PostScript.
- Provides JDF/JMF interface for Job Ticket submission, queue management, and status messaging. (Submission of a JDF Job Ticket can reference either PDF or Postscript content.)
- Supports variable data printing using ANSI Standard PPML/VDX.

1.1 Scope

This document is one of two used by third party software developers who design software controllers and output drivers that target the NexPress family of digital production color presses. The complete set of documents is:

- Kodak NexPress Developer's Interface Guide [KNDIG] (This document)
- Kodak NexPress Developer's Interface Reference [KNDIR]

The **Kodak NexPress Developer's Interface Guide** is the main user document. It references the [KNDIR], and provides user description of the various job submission, job management and press management operations for the NexPress front end. This guide also identifies the various content formats for the NexPress products, and describes the job submission methods and control interfaces using these content formats. Detail on the specific formats is provided in the [KNDIR].

The **Kodak NexPress Developer's Interface Reference** provides technical detail on interfaces used in JDF and PPML/VDX submission and in control of the JDF portal. This technical companion document to the [KNDIG] is intended as a reference. The syntax and semantics of Device Capabilities, JDF Intent, JDF Process, JMF and PPML/VDX used by the NexPress front end is provided within this reference document.

These documents do not describe the interface between the NexPress front end and print engine. This interface is not intended to be accessible to third-party workflow tool developers.

It is assumed that readers of this document have a working understanding of the Job Definition Format (i.e. JDF), the Adobe® Portable Document Format (i.e. PDF), and the PPML/VDX standard.

1.2 Glossary of Terms and Abbreviations

The table below explains terms and concepts used throughout this document, which may or may not be unique to the system environment described in this document.

| Term | Definition |
|-------|--|
| CGATS | Committee for Graphic Arts Technologies Standards – an ANSI accredited standards body that develops technical standards for the graphic arts industry. http://www.NPES.org |
| CIP4 | International Cooperation for Integration of Processes in Prepress, Press, and Postpress. The consortium responsible for creating and maintaining the JDF Specifications. http://www.CIP4.org |

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