

Konica

KONICA PRINT MANAGEMENT SYSTEM

Printlink II

**DICOM3.0 Print SCP
Conformance Statement**

Konica Corp.

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Ver.1.04

Revision History

Date	Version	Description
Aug. 01. 2001	Ver. 1.00	First Edition
Sep. 19. 2001	Ver. 1.01	Change of Maximum Input Image size for each Imager.
Sep. 27. 2001	Ver. 1.02	Change of Maximum Input Image size for DRYPRO
Oct. 01. 2001	Ver. 1.03	Reappraisal of the Print Status Information
Feb. 19. 2002	Ver. 1.04	Change of Printable Pixel Matrix for the Imager.

This Conformance Statement based on DICOM3.0 (1999).

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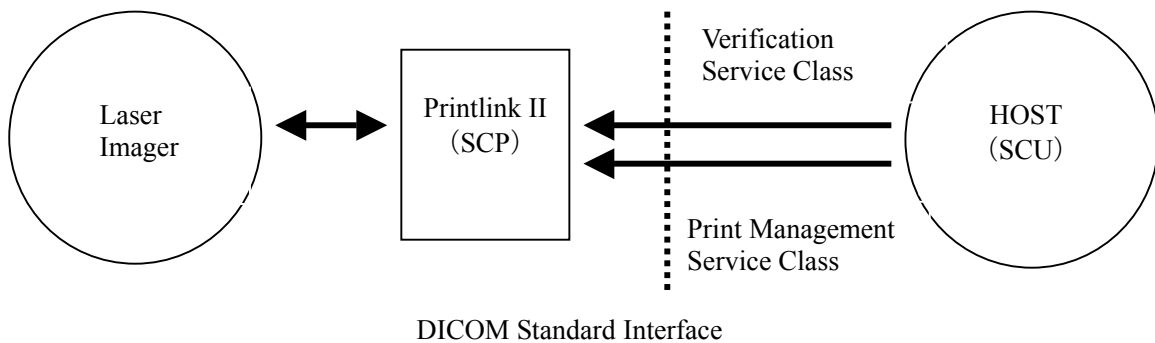
0 INTRODUCTION

This document declares compatibility of Konica Print Management System Printlink II (hereinafter, Printlink II) with DICOM 3.0.

1 IMPLEMENTATION MODEL

Printlink II functions as an SCP for the Verification and the Print Management Service Class.

1.1 Application Data Flow Diagram



1.2 Functional Definitions of AE's

When the SCP receives Verification or Print Management Service from SCU, the SOP class defined by Verification or Print Management Service Class is used.
As for the operating method of SOP classes, the DIMSE service defined by each SOP class is used.

1.3 Sequencing of Real World Activities

This model is not applicable with the Sequence of Real-World Activities.

2 AE SPECIFICATION

2.1 PRINTLINK II Specification

PRINTLINK II functions as a single AE responsible for receiving Verification and Print Management Service. It supports these services by playing the role of an SCP. As an SCP, PRINTLINK II is applicable with DICOM3.0 supporting the following SOP Classes.

SOP Class Name	SOP Class UID
Verification SOP Class	1.2.840.10008.1.1
Basic Grayscale Print Management Meta SOP Class	1.2.840.10008.5.1.1.9
Basic Film Session SOP Class	1.2.840.10008.5.1.1.1
Basic Film Box SOP Class	1.2.840.10008.5.1.1.2
Basic Grayscale Image Box SOP Class	1.2.840.10008.5.1.1.4
Printer SOP Class	1.2.840.10008.5.1.1.16
Presentation LUT SOP Class	1.2.840.10008.5.1.1.23

2.1.1 Association Establishment Policies

Hereinafter, conditions for establishing association will be described.

2.1.1.1 General

PRINTLINK II utilizes DICOM Upper Layer Services to establish association with SCU. An association is made for each Verification and Basic Print Service Request. The maximum PDU size used is 65535 KB. The maximum PDU size used is 8 KB.

2.1.1.2 Number of Associations

It supports 16 associations at same time.

2.1.1.3 Asynchronous Nature

PRINTLINK II supports N-EVENT-REPORT as necessary.

2.1.1.4 Implementation Identifying Information

Hereinafter, Implementation UID

Printlink II-IN: 1.2.392.200036.9107.500.510
 Printlink II-OD: 1.2.392.200036.9107.500.511

Hereinafter, Implementation Version Name

KC_PLNK2_X.XXXXXX
 With regard to X.XXXXXX, a software version is designated.
 ex. KC_PLNK2_1.00R00

2.1.2 Association Initiation Policy

Association is established by sending a request of association establishment to Print Management SCU.

2.1.2.1 Real World Activities

2.1.2.1.1 Associated Real World Activity

The relevant activity in the real world is to send a N-EVENT-REPORT to Print Management SCU.

2.1.2.1.2 Proposed Presentation Contexts

This model will propose the above-mentioned presentation context.

Abstract syntax			
Name	UID	Role	Extended Negotiation
Printer SOP Class	1.2.840.10008.5.1.1.16	SCP	No

Transfer syntax	
Name	UID
Implicit VR Little Endian	1.2.840.10008.1.2

2.1.3 Association Acceptance Policy

Association is established by receiving a request of association establishment from Print Management SCU.

2.1.3.1 Real World Activities

2.1.3.1.1 Associated Real World Activity

The relevant activities in the real world is to receive a request of N-CREATE(F.S.), N-SET(F.S.), N-DELETE(F.S.), N-ACTION(F.S.), N-CREATE(F.B.), N-SET(F.B.), N-DELETE(F.B.), N-ACTION(F.B.), N-SET(F.B.), N-GET(Printer), and C-ECHO(Verification) from Print Management SCU.

2.1.3.1.2 Proposed Presentation Contexts

This model will propose the above-mentioned presentation context.

Abstract syntax			
Name	UID	Role	Extended Negotiation
Verification SOP Class	1.2.840.10008.1.1	SCP	No
Basic Grayscale Print Management Meta SOP Class	1.2.840.10008.5.1.1.9	SCP	No
Basic Film Session SOP Class	1.2.840.10008.5.1.1.1	SCP	No
Basic Film Box SOP Class	1.2.840.10008.5.1.1.2	SCP	No
Basic Grayscale Image Box SOP Class	1.2.840.10008.5.1.1.4	SCP	No
Printer SOP Class	1.2.840.10008.5.1.1.16	SCP	No
Presentation LUT SOP Class	1.2.840.10008.5.1.1.23	SCP	No

Transfer syntax	
Name	UID
Implicit VR Little Endian	1.2.840.10008.1.2

2.1.3.1.2.1 Verification SOP Class

This model is applicable with Verification SOP Class.

C-ECHO is used for requesting confirmation of communication from Host (SCU).

Behavior: PRINTLINK II accepts a C-ECHO request primitive for requesting the confirmation of communication from Host (SCU).

PRINTLINK II sends a C-ECHO response primitive to Host (SCU), confirmation of communication is regarded to be completed.

2.1.3.1.2.2 Basic Film Session SOP Class

This model conforms with Basic Film Session SOP Class.

It accepts N-CREATE and N-SET to create each Instance of Basic Film Session SOP Class.

Behavior : PRINTLINK II accepts N-CREATE and N-SET to create each SOP Instance.

PRINTLINK II sends response to inform the each requested service was completed normally or malfunctioned/erred.

Basic Film Session				
Tag	Name of item	VR	VM	Value
(2000,0010)	Number of Copies	IS	1	1~99
(2000,0020)	Print Priority	CS	1	LOW, HIGH, MED
(2000,0030)	Medium Type	CS	1	CLEAR FILM BLUE FILM
(2000,0040)	Film Destination	CS	1	MAGAZINE PROCESSOR BIN1~BIN5
(2000,0060)	Memory Allocation	LO	1	Unit is in KB
(2010,015E)	Illumination	US	1	
(2010,0160)	Reflected Ambient Light	US	1	

PRINTLINK II accepts N-DELETE to delete the complete Basic Film Session SOP Instance hierarchy.

Behavior : PRINTLINK II accepts N-DELETE to delete the complete Basic Film Session SOP Instance hierarchy.

PRINTLINK II sends response to inform the requested service was completed normally or malfunctioned/erred.

PRINTLINK II accepts N-ACTION to print one or more copies of the Film Session SOP Instance.

Behavior : PRINTLINK II accepts N-ACTION to print one or more copies of the Film Session SOP Instance.

PRINTLINK II sends response to inform the requested service was completed normally or malfunctioned/erred.

2.1.3.1.2.3 Basic Film Box SOP Class

This model conforms with Basic Film Box SOP Class.

It accepts N-CREATE and N-SET to create each Instance of Basic Film Box SOP Class.

Behavior : PRINTLINK II accepts N-CREATE and N-SET to create each SOP Instance.

PRINTLINK II sends response to inform the each requested service was completed normally or malfunctioned/erred.

Basic Film Session				
Tag	Name of item	VR	VM	Value
(0010, 0010)	Patient's Name	PN	1	
(0010, 0020)	Patient ID	LO	1	
(2010,0010)	Image Display Format	ST	1	STANDARD¥C,R ROW¥R1,R2
(2010,0030)	Annotation Display Format ID	CS	1	P1 = PORTRAIT L1 = LANDSCAPE TM = TIME CC = Copy Count ID = Modality ID MS = Message
(2010,0040)	Film Orientation	CS	1	PORTRAIT LANDSCAPE
(2010,0050)	Film Size ID	CS	1	11INX14IN 14INX14IN 14INX17IN
(2010,0060)	Magnification Type	CS	1	NONE BILINEAR REPLICATE CUBIC
(2010,0080)	Smoothing Type	CS	1	1~7 Only for (2010,0060) = CUBIC
(2010,0100)	Border Density	CS	1	BLACK WHITE
(2010,0120)	Min Density	US	1	0~100
(2010,0130)	Max Density	US	1	100~350
(2010,0140)	Trim	US	1	YES NO
(2010,0150)	Configuration Information	ST	1	KC LUT=1~ KC LUT=7

It accepts N-DELETE to delete the complete Basic Film Box SOP Instance hierarchy.

Behavior : PRINTLINK II accepts N-DELETE to delete the complete Basic Film Box SOP Instance hierarchy.

PRINTLINK II sends response to inform the requested service was completed normally or malfunctioned/erred.

It accepts N-ACTION to print one or more copies of the Film Box SOP Instance.

Behavior : PRINTLINK II accepts N-ACTION to print one or more copies of the Film Box SOP Instance.

PRINTLINK II sends response to inform the requested service was completed normally or malfunctioned/erred.

2.1.3.1.2.4 Basic Grayscale Image Box SOP Class

This model conforms with Basic Grayscale Image Box SOP Class.
It accepts N-SET to create and update an Instance of Basic Film Box SOP Class.

Behavior : PRINTLINK II accepts N-SET to create and update an Instance of Basic Film Box SOP Class.
PRINTLINK II sends response to inform the requested service was completed normally or malfunctioned/erred.

Basic Film Session				
Tag	Name of item	VR	VM	Value
(0028,0002)	Samples per Pixel	US	1	
(0028,0004)	Photometric Interpretation	CS	1	MONOCHROME1 Minimum VOI Pixel Value = White MONOCHROME2 Minimum VOI Pixel Value = Black
(0028,0010)	Rows	US	1	
(0028,0011)	Columns	US	1	
(0028,0034)	Pixel Aspect Ratio	IS	2	
(0028,0100)	Bits Allocated	US	1	Value except following will be error. 0008: 8 (8 bits) 000A: 16 (12 bits)
(0028,0101)	Bits Stored	US	1	0008: 8 bits 000C: 12 bits
(0028,0102)	High Bit	US	1	0007: (Bits Stored = 8) 000B: (Bits Stored = 12)
(0028,0103)	Pixel Representation	US	1	0000 = Unsigned integer
(2020,0010)	Image Position	US	1	Frame position in a page
(2020,0020)	Polarity	CS	1	NORMAL REVERSE
(2020,0030)	Requested Image Size	CS	1	
(2020, 0040)	Requested Decimate / Crop Behavior	CS	1	Depending on the connecting Imager
(7FE0,0010)	Pixel Data	OW/OB	1	

2.1.3.1.2.5 Printer SOP Class

This model conforms with Printer SOP Class.
It accepts N-GET to send an Instance of Print Job SOP Class.

Behavior : PRINTLINK II accepts N-GET to send an Instance of Print Job SOP Class.
PRINTLINK II sends response to inform the requested service was completed normally or malfunctioned/erred.

Basic Film Session				
Tag	Name of item	VR	VM	Value
(0008,0070)	Manufacture	LO	1	KONICA
(0008,1090)	Manufacture's Model Name	LO	1	PRINTLINK2
(0018,1000)	Device Serial Number	LO	1	Serial Number of the Pntintlink II
(0018,1020)	Software Version	LO	1	Software Version of the Printlink II
(2110,0010)	Printer Status	CS	1	NORMAL WARNING FAILURE
(2110,0020)	Printer Status Info	CS	1	See Appendix C
(2110,0030)	Printer Name	LO	1	DRYPRO, Li-7, Li-62P, Li-1417D, Li-21, Li-10A

2.1.3.1.2.6 Presentation LUT SOP Class

This model conforms with Presentation LUT SOP Class.
 It accepts N-GET to send an Instance of Print Job SOP Class.

Behavior : PRINTLINK II accepts N-CREATE to create an Instance of Presentation LUT SOP Class.
 PRINTLINK II sends response to inform the requested service was completed normally or malfunctioned/erred.

Basic Film Session				
Tag	Name of item	VR	VM	Value
(2050,0010)	Presentation LUT Sequence	SQ	1	
(0028,3002)	> LUT Descriptor	US Y US	3	
(0028,3003)	> LUT Explanation	LO	1	
(0028,3006)	> LUT Data	US or SS	1-n	
(2050,0020)	Presentation LUT Shape	CS	1	IDENTITY / LIN OD

It accepts N-DELETE to delete the complete Presentation LUT SOP Instance hierarchy.

Behavior : PRINTLINK II accepts N-DELETE to delete the complete Presentation LUT SOP Instance hierarchy.
 PRINTLINK II sends response to inform the requested service was completed normally or malfunctioned/erred.

3 COMMUNICATION PROFILES

3.1 Supported Communication Stacks

It provides the TCP/IP network communication support defined by the DICOM3.0 PART8.

3.2 TCP/IP Stack

The TCP/IP stack is succeeded from the Windows system environment.

3.2.1 Physical Media Support

In executing the TCP/IP, 10BASE-TX and 100 BASE-TX are supported as standard.

4 EXTENSIONS/SPECIALIZATIONS/PRIVATIZATIONS

PRINTLINK II has its own private data element.

For Basic Film Box SOP Class.

(2011,0010), (2011,1011), (2011,1021), (2011,1030), (2011,1031), (2011,1040), (2011,1050), (2011,1060),
(2011,1070), (2011,1080), (2011,1090)

For Printer SOP Class.

(2011,0010), (2011,10A0), (2011,10A1), (2011,10B0), (2011,10B1), (2011,10B2), (2011,10C0), (2011,10C1),
(2011,10D0), (2011,10D1), (2011,10E0), (2011,10F0)

5 CONFIGURATION

5.1 AE Title/Presentation Address Mapping

The following are used as environment constituting information.

Item	Contents
Calling AE Title	Application title of PRINTLINK II (Default: KC_PLNK2_SCP)
Called AE Title	Application title of SCU
IP Address	IP address of SCU
Host Name	Host Name of SCU
Port Number	Port number of SCU. 100 – 65535 for Input and N-EVENT

5.2 Configurable Parameters

The following are configurable parameters.

Item	Contents
Calling AE Title	Application title of PRINTLINK II.
Called AE Title	Application title of SCU.
Maximum PDU Size	Maximum configurable size: 65535KB

6 SUPPORT OF EXTENDED CHARACTER SETS

¥ISO 2022 IR 87 or
 ISO 2022 IR13¥ISO2022 IR 87

Appendix-A

A-1 Basic Film Session SOP Class

A-1-1 N-CREATE

SCU can use N-CREAE to request SCP to create Basic Film Session SOP Instance.

Status	Behavior
Success	Basic Film Session SOP Instance was created and elements were initialized.
Failure	Basic Film Session SOP Instance was not created.
Warning	Basic Film Session SOP Instance was not created by specified method.

PRINTLINK II sends one of following status.

Status Code	Behavior
0000H (Success)	
0116H (Warning)	Default Value was used.
B605H (Failure)	Density Value that cannot be supported was specified.
0120H (Failure)	No Value was specified.
0160H (Failure)	Specified Value was not supported.

PRINTLINK II sends A-ABORT in case of that an internal error or unknown error happened.

A-1-2 N-SET

SCU can use N-SET to request SCP to create Basic Film Session SOP Instance.

Status	Behavior
Success	Basic Film Session SOP Instance was updated.
Failure	Basic Film Session SOP Instance was not updated.
Warning	Basic Film Session SOP Instance was not updated by specified method.

PRINTLINK II sends one of following status.

Status Code	Behavior
0000H (Success)	
0116H (Warning)	Default Value was used.
B605H (Failure)	Density Value that cannot be supported was specified.
0120H (Failure)	No Value was specified.
0160H (Failure)	Specified Value was not supported.

PRINTLINK II sends A-ABORT in case of that an internal error or unknown error happened.

A-1-3 N-ACTION

SCU can use N-ACTION to request SCP to print Basic Film Session SOP Instance.

Status	Behavior
Success	Basic Film Session SOP Instance was printed
Failure	Basic Film Session SOP Instance was not printed.
Warning	Basic Film Session SOP Instance was not printed by specified method.

PRINTLINK II sends one of following status.

Status Code	Behavior
0000H (Success)	
0105H (Warning)	Operation was invalid.
0112 (Failure)	Specified Film Session did not exist.
B605H (Failure)	Print Queue was full.
C603H (Failure)	Image Size was larger than Image Box Size.

PRINTLINK II sends A-ABORT in case of that an internal error or unknown error happened.

A-1-4 N-DELETE

SCU can use N-DELETE to request SCP to delete Basic Film Session SOP Instance.

Status	Behavior
Success	Basic Film Session SOP Instance was deleted.
Failure	Basic Film Session SOP Instance was not deleted.

A-2 Basic Film Box SOP Class

A-2-1 N-CREATE

SCU can use N-CREAE to request SCP to create Basic Film Box SOP Instance.

Status	Behavior
Success	Basic Film Box SOP Instance was created and elements were initialized.
Failure	Basic Film Box SOP Instance was not created.
Warning	Basic Film Box SOP Instance was not created by specified method.

PRINTLINK II sends one of following status.

Status Code	Behavior
0000H (Success)	
0116H (Warning)	Default Value was used.
0120H (Failure)	No Value was specified.
0160H (Failure)	Specified Value was not supported.

PRINTLINK II sends A-ABORT in case of that an internal error or unknown error happened.

A-2-2 N-SET

SCU can use N-SET to request SCP to create Basic Film Box SOP Instance.

Status	Behavior
Success	Basic Film Box SOP Instance was updated.
Failure	Basic Film Box SOP Instance was not updated.
Warning	Basic Film Box SOP Instance was not updated by specified method.

PRINTLINK II sends one of following status.

Status Code	Behavior
0000H (Success)	
0116H (Warning)	Default Value was used.
0120H (Failure)	No Value was specified.
0160H (Failure)	Specified Value was not supported.

PRINTLINK II sends A-ABORT in case of that an internal error or unknown error happened.

A-2-3 N-ACTION

SCU can use N-ACTION to request SCP to print Basic Film Box SOP Instance.

Status	Behavior
Success	Basic Film Box SOP Instance was printed
Failure	Basic Film Box SOP Instance was not printed.
Warning	Basic Film Box SOP Instance was not printed by specified method.

PRINTLINK II sends one of following status.

Status Code	Behavior
0000H (Success)	
0116H (Warning)	Default Value was used.
0120H (Failure)	No Value was specified.
0160H (Failure)	Specified Value was not supported.

PRINTLINK II sends A-ABORT in case of that an internal error or unknown error happened.

A-2-4 N-DELETE

SCU can use N-DELETE to request SCP to delete Basic Film Box SOP Instance.

Status	Behavior
Success	Basic Film Box SOP Instance was deleted.
Failure	Basic Film Box SOP Instance was not deleted.

A-3 Basic Film Session SOP Class

A-3-1 N-SET

SCU can use N-SET to request SCP to create Basic Grayscale Image Box SOP Instance.

Status	Behavior
Success	Basic Grayscale Image Box SOP Instance was updated.
Failure	Basic Grayscale Image Box SOP Instance was not updated.
Warning	Basic Grayscale Image Box SOP Instance was not updated by specified method.

PRINTLINK II sends one of following status.

Status Code	Behavior
0000H (Success)	
0116H (Warning)	Default Value was used.
0120H (Failure)	No Value was specified.
0160H (Failure)	Specified Value was not supported.

PRINTLINK II sends A-ABORT in case of that an internal error or unknown error happened.

A-4 Printer SOP Class

A-4-1 N-GET

SCU can use N-GET to request SCP to get SOP Instance.

Status	Behavior
Success	SOP Instance was found.
Failure	SOP Instance was not found.

PRINTLINK II sends one of following status.

Status Code	Behavior
0000H (Success)	

**Appendix-B Format
[B-1 Li-10A]**

Common to PORTLAIT/LANDSCAPE

Format	11X14	14X14	14X17
STANDARD¥1,1	X	X	X
STANDARD¥1,2	X	X	X
STANDARD¥2,1	X	-	X
STANDARD¥1,3	X	-	X
STANDARD¥3,1	-	-	X
STANDARD¥2,2	X	X	X
STANDARD¥2,3	X	X	X
STANDARD¥3,2	X	-	X
STANDARD¥2,4	X	X	X
STANDARD¥4,2	X	-	X
STANDARD¥3,3	X	X	X
STANDARD¥3,4	X	X	X
STANDARD¥4,3	X	-	X
STANDARD¥3,5	X	X	X
STANDARD¥5,3	X	-	X
STANDARD¥4,4	X	X	X
STANDARD¥3,6	X	-	X
STANDARD¥6,3	-	-	X
STANDARD¥4,5	X	X	X
STANDARD¥5,4	X	-	X
STANDARD¥4,6	X	X	X
STANDARD¥6,4	X	-	X
STANDARD¥5,5	X	X	X
STANDARD¥4,7	X	X	X
STANDARD¥7,4	X	-	X
STANDARD¥5,6	X	X	X
STANDARD¥6,5	X	-	X
STANDARD¥4,8	X	-	X
STANDARD¥8,4	-	-	X
STANDARD¥5,7	X	X	X
STANDARD¥7,5	X	-	X
STANDARD¥6,6	X	X	X
STANDARD¥5,8	X	-	X
STANDARD¥8,5	-	-	X
STANDARD¥6,7	X	X	X
STANDARD¥7,6	X	-	X
STANDARD¥6,8	X	X	X
STANDARD¥8,6	X	-	X

Note: Regardless of film size or P/L, formats listed in the above table are supported. However, STANDARD¥1,2/STANDARD¥2,1, and so on can not be supported at a time.(Setting at the installation)

MIX

Format	11X14	14X14	14X17
ROW¥3,2	X	X	X
ROW¥2,3	X	X	X
ROW¥3,3,2	X	X	X
ROW¥2,3,3	X	X	X
ROW¥3,3,3,2	-	X	X
ROW¥2,3,3,3	-	X	X

SLIDE

Format	11X14	14X14	14X17
SLIDE¥3,4	X	X	X

Other restriction on the image data

Different image size should not be in a film format.

Image size: Column should be the multiple of 4.

Image memory: Image Size x number of frame should be equal or less than 20M pixels in Standard. The memory capacity can be expanded to 28M with optional memory.

Maximum Input Image Size and Image Size for 1 on 1 format for fixed pixel pitch (83μm).

Film Size	Film Orientation	Column	Row
14 X 17	Portrait	4096 (4096)	5120 (4856)
	Landscape	4096 (4096)*1	5120 (3456)*1
14 X 14	Portrait	4096 (4096)	5120 (3912)
	Landscape	4096 (4096)	5120 (3912)
11 X 14	Portrait	4096 (3028)	5120 (4096)
	Landscape	4096 (4096)	5120 (3028)

*1: 98μm pitch is used due to the limit of input image size for column direction.

[B-2 Li-21]

Common to PORTLAIT/LANDSCAPE

Format	8X10	10X12	11X14	14X14	14X17
STANDARD¥1,1	X	X	X	X	X
STANDARD¥1,2	X	X	X	X	X
STANDARD¥2,1	X	X	X	-	X
STANDARD¥1,3	X	X	X	-	X
STANDARD¥3,1	-	-	-	-	X
STANDARD¥2,2	X	X	X	X	X
STANDARD¥2,3	X	X	X	X	X
STANDARD¥3,2	X	X	X	-	X
STANDARD¥2,4	X	X	X	X	X
STANDARD¥4,2	X	X	X	-	X
STANDARD¥3,3	X	X	X	X	X
STANDARD¥3,4	X	X	X	X	X
STANDARD¥4,3	X	X	X	-	X
STANDARD¥3,5	X	X	X	X	X
STANDARD¥5,3	X	X	X	-	X
STANDARD¥4,4	X	X	X	X	X
STANDARD¥3,6	X	X	X	-	X
STANDARD¥6,3	-	-	-	-	X
STANDARD¥4,5	X	X	X	X	X
STANDARD¥5,4	X	X	X	-	X
STANDARD¥4,6	X	X	X	X	X
STANDARD¥6,4	X	X	X	-	X
STANDARD¥5,5	X	X	X	X	X
STANDARD¥4,7	X	X	X	X	X
STANDARD¥7,4	X	X	X	-	X
STANDARD¥5,6	X	X	X	X	X
STANDARD¥6,5	X	X	X	-	X
STANDARD¥4,8	X	-	X	-	X
STANDARD¥8,4	-	-	-	-	X
STANDARD¥5,7	X	X	X	X	X
STANDARD¥7,5	X	X	X	-	X
STANDARD¥6,6	X	X	X	X	X
STANDARD¥5,8	X	X	X	-	X
STANDARD¥8,5	-	-	-	-	X
STANDARD¥6,7	X	X	X	X	X
STANDARD¥7,6	X	X	X	-	X
STANDARD¥6,8	X	X	X	X	X
STANDARD¥8,6	-	X	X	-	X

Note: Regardless of film size or P/L, formats listed in the above table are supported. However, STANDARD¥1,2/STANDARD¥2,1, and so on can not be supported at a time.(Setting at the installation)

MIX

Format	8X10	10X12	11X14	14X14	14X17
ROW¥3,2	X	X	X	X	X
ROW¥2,3	X	X	X	X	X
ROW¥3,3,2	X	X	X	X	X
ROW¥2,3,3	X	X	X	X	X
ROW¥3,3,3,2	-	-	-	X	X
ROW¥2,3,3,3	-	-	-	X	X

SLIDE

Format	8X10	10X12	11X14	14X14	14X17
SLIDE¥3,4	X	X	X	X	X

Other restriction on the image data

Different image size should not be in a film format.

Image size: Column should be the multiple of 4.

Image memory: Image Size x number of frame should be equal or less than 20M pixels in Standard. The memory capacity can be expanded to 28M with optional memory.

Maximum Input Image Size and Image Size for 1 on 1 format for fixed pixel pitch (83µm).

Film Size	Film Orientation	Column	Row
14 X 17	Portrait	4096 (4096)	5120 (4856)
	Landscape	4096 (4096)*1	5120 (3456)*1
14 X 14	Portrait	4096 (4096)	5120 (3912)
	Landscape	4096 (4096)	5120 (3912)
11 X 14	Portrait	4096 (3028)	5120 (4096)
	Landscape	4096 (4096)	5120 (3028)
10 X 12	Portrait	4096 (2712)	5120 (3496)
	Landscape	4096 (3496)	5120 (2712)
8 X 10	Portrait	4096 (2108)	5120 (2880)
	Landscape	4096 (2880)	5120 (2108)

*1: 98µm pitch is used due to the limit of input image size for column direction.

[B-3 Li-7, Li-7A, Li-7DD, Li-8]

PORTLAIT

Format	11X14	14X14	14X17
STANDARD¥1,1	X	X	X
STANDARD¥1,2	-	X	X
STANDARD¥2,1	X	-	-
STANDARD¥1,3	-	-	-
STANDARD¥3,1	-	-	-
STANDARD¥2,2	X	X	X
STANDARD¥2,3	-	X	X
STANDARD¥3,2	X	-	-
STANDARD¥2,4	-	-	-
STANDARD¥4,2	-	-	-
STANDARD¥3,3	X	X	X
STANDARD¥3,4	-	X	X
STANDARD¥4,3	X	-	-
STANDARD¥3,5	-	X	X
STANDARD¥5,3	X	-	-
STANDARD¥4,4	X	X	X
STANDARD¥3,6	-	-	-
STANDARD¥6,3	-	-	-
STANDARD¥4,5	-	X	X
STANDARD¥5,4	X	-	-
STANDARD¥4,6	-	X	X
STANDARD¥6,4	X	-	-
STANDARD¥5,5	-	-	-
STANDARD¥4,7	-	-	-
STANDARD¥7,4	-	-	-
STANDARD¥5,6	-	-	-
STANDARD¥6,5	-	-	-
STANDARD¥4,8	-	-	-
STANDARD¥8,4	-	-	-
STANDARD¥5,7	-	-	-
STANDARD¥7,5	-	-	-
STANDARD¥6,6	-	-	-
STANDARD¥5,8	-	-	-
STANDARD¥8,5	-	-	-
STANDARD¥6,7	-	-	-
STANDARD¥7,6	-	-	-
STANDARD¥6,8	-	-	-
STANDARD¥8,6	-	-	-

[B-3 Li-7, Li-7A, Li-7DD, Li-8]

LANDSCAPE

Format	11X14	14X14	14X17
STANDARD¥1,1	X	-	X
STANDARD¥1,2	X	-	X
STANDARD¥2,1	-	-	X
STANDARD¥1,3	-	-	-
STANDARD¥3,1	-	-	-
STANDARD¥2,2	X	-	X
STANDARD¥2,3	X	-	-
STANDARD¥3,2	-	-	X
STANDARD¥2,4	-	-	-
STANDARD¥4,2	-	-	X
STANDARD¥3,3	X	-	X
STANDARD¥3,4	X	-	-
STANDARD¥4,3	X	-	X
STANDARD¥3,5	X	-	-
STANDARD¥5,3	X	-	X
STANDARD¥4,4	X	-	X
STANDARD¥3,6	-	-	-
STANDARD¥6,3	-	-	-
STANDARD¥4,5	X	-	-
STANDARD¥5,4	X	-	X
STANDARD¥4,6	X	-	-
STANDARD¥6,4	X	-	X
STANDARD¥5,5	-	-	-
STANDARD¥4,7	-	-	-
STANDARD¥7,4	-	-	-
STANDARD¥5,6	-	-	-
STANDARD¥6,5	-	-	-
STANDARD¥4,8	-	-	-
STANDARD¥8,4	-	-	-
STANDARD¥5,7	-	-	-
STANDARD¥7,5	-	-	-
STANDARD¥6,6	-	-	-
STANDARD¥5,8	-	-	-
STANDARD¥8,5	-	-	-
STANDARD¥6,7	-	-	-
STANDARD¥7,6	-	-	-
STANDARD¥6,8	-	-	-
STANDARD¥8,6	-	-	-

[B-3 Li-7, Li-7A, Li-7DD, Li-8]

MIX

Format	11X14	14X14	14X17
ROW¥3,2	X	X	X
ROW¥2,3	X	X	X
ROW¥3,3,2	X	X	X
ROW¥2,3,3	X	X	X
ROW¥3,3,3,2	X	X	X
ROW¥2,3,3,3	X	X	X

SLIDE

Format	11X14	14X14	14X17
SLIDE¥3,4	X	X	-

Other restriction on the image data
 Different image size should not be in a film format.
 Image size: Column should be the multiple of 4.

Maximum Input Image Size:

Film Size	Film Orientation	Columns	Row
14 X 17	Portrait	4320	5184
	Landscape	5184	4320
14 X 14	Portrait	4320	4184
	Landscape	4184	4320
11 X 14	Portrait	4320	3264
	Landscape	3264	4320

[B-4 Li-62P]

Common to PORTLAIT/LANDSCAPE

Format	11X14	14X14	14X17
STANDARD¥1,1	X	X	X
STANDARD¥1,2	X	X	X
STANDARD¥2,1	X	-	X
STANDARD¥1,3	X	-	X
STANDARD¥3,1	-	-	X
STANDARD¥2,2	X	X	X
STANDARD¥2,3	X	X	X
STANDARD¥3,2	X	-	X
STANDARD¥2,4	X	X	X
STANDARD¥4,2	X	-	X
STANDARD¥3,3	X	X	X
STANDARD¥3,4	X	X	X
STANDARD¥4,3	X	-	X
STANDARD¥3,5	X	X	X
STANDARD¥5,3	X	-	X
STANDARD¥4,4	X	X	X
STANDARD¥3,6	X	-	X
STANDARD¥6,3	-	-	X
STANDARD¥4,5	X	X	X
STANDARD¥5,4	X	-	X
STANDARD¥4,6	X	X	X
STANDARD¥6,4	X	-	X
STANDARD¥5,5	X	X	X
STANDARD¥4,7	X	X	X
STANDARD¥7,4	X	-	X
STANDARD¥5,6	X	X	X
STANDARD¥6,5	X	-	X
STANDARD¥4,8	X	-	X
STANDARD¥8,4	-	-	X
STANDARD¥5,7	X	X	X
STANDARD¥7,5	X	-	X
STANDARD¥6,6	X	X	X
STANDARD¥5,8	X	-	X
STANDARD¥8,5	-	-	X
STANDARD¥6,7	X	X	X
STANDARD¥7,6	X	-	X
STANDARD¥6,8	X	X	X
STANDARD¥8,6	X	-	X

Note: Regardless of film size or P/L, formats listed in the above table are supported. However, STANDARD¥1,2/STANDARD¥2,1, and so on can not be supported at a time.(Setting at the installation)

Appendix-B (Imager Format)

MIX

Format	11X14	14X14	14X17
ROW¥3,2	X	X	X
ROW¥2,3	X	X	X
ROW¥3,3,2	X	X	X
ROW¥2,3,3	X	X	X
ROW¥3,3,3,2	-	X	X
ROW¥2,3,3,3	-	X	X

SLIDE

Format	11X14	14X14	14X17
SLIDE¥3,4	X	X	X

Other restriction on the image data
 Different image size should not be in a film format.
 Image size: Column should be the multiple of 4.

Maximum Input Image Size

Film Size	Film Orientation	Columns	Row
14 X 17	Portrait	8540	10220
	Landscape	10220	8540
14 X 14	Portrait	8540	8215
	Landscape	8215	8540
11 X 14	Portrait	8540	6410
	Landscape	6410	8540

[B-5 Li-1417D, Li-1417DH]

PORTLAIT

Format	11X14	14X14	14X17
STANDARD¥1,1	-	-	X
STANDARD¥1,2	-	-	X
STANDARD¥2,1	-	-	-
STANDARD¥1,3	-	-	-
STANDARD¥3,1	-	-	-
STANDARD¥2,2	-	-	X
STANDARD¥2,3	-	-	X
STANDARD¥3,2	-	-	-
STANDARD¥2,4	-	-	-
STANDARD¥4,2	-	-	-
STANDARD¥3,3	-	-	X
STANDARD¥3,4	-	-	X
STANDARD¥4,3	-	-	-
STANDARD¥3,5	-	-	X
STANDARD¥5,3	-	-	-
STANDARD¥4,4	-	-	X
STANDARD¥3,6	-	-	-
STANDARD¥6,3	-	-	-
STANDARD¥4,5	-	-	X
STANDARD¥5,4	-	-	-
STANDARD¥4,6	-	-	X
STANDARD¥6,4	-	-	-
STANDARD¥5,5	-	-	-
STANDARD¥4,7	-	-	-
STANDARD¥7,4	-	-	-
STANDARD¥5,6	-	-	-
STANDARD¥6,5	-	-	-
STANDARD¥4,8	-	-	-
STANDARD¥8,4	-	-	-
STANDARD¥5,7	-	-	-
STANDARD¥7,5	-	-	-
STANDARD¥6,6	-	-	-
STANDARD¥5,8	-	-	-
STANDARD¥8,5	-	-	-
STANDARD¥6,7	-	-	-
STANDARD¥7,6	-	-	-
STANDARD¥6,8	-	-	-
STANDARD¥8,6	-	-	-

[B-5 Li-1417D, Li-1417DH]

LANDSCAPE

Format	11X14	14X14	14X17
STANDARD¥1,1	-	-	X
STANDARD¥1,2	-	-	-
STANDARD¥2,1	-	-	X
STANDARD¥1,3	-	-	-
STANDARD¥3,1	-	-	-
STANDARD¥2,2	-	-	X
STANDARD¥2,3	-	-	-
STANDARD¥3,2	-	-	X
STANDARD¥2,4	-	-	-
STANDARD¥4,2	-	-	-
STANDARD¥3,3	-	-	X
STANDARD¥3,4	-	-	-
STANDARD¥4,3	-	-	X
STANDARD¥3,5	-	-	-
STANDARD¥5,3	-	-	X
STANDARD¥4,4	-	-	X
STANDARD¥3,6	-	-	-
STANDARD¥6,3	-	-	-
STANDARD¥4,5	-	-	-
STANDARD¥5,4	-	-	X
STANDARD¥4,6	-	-	-
STANDARD¥6,4	-	-	X
STANDARD¥5,5	-	-	-
STANDARD¥4,7	-	-	-
STANDARD¥7,4	-	-	-
STANDARD¥5,6	-	-	-
STANDARD¥6,5	-	-	-
STANDARD¥4,8	-	-	-
STANDARD¥8,4	-	-	-
STANDARD¥5,7	-	-	-
STANDARD¥7,5	-	-	-
STANDARD¥6,6	-	-	-
STANDARD¥5,8	-	-	-
STANDARD¥8,5	-	-	-
STANDARD¥6,7	-	-	-
STANDARD¥7,6	-	-	-
STANDARD¥6,8	-	-	-
STANDARD¥8,6	-	-	-

Other restriction on the image data
 Different image size should not be in a film format.
 Image size: Column should be the multiple of 4.

Maximum Input Image Size

Film Size	Film Orientation	Columns	Row
14 X 17	Portrait	4320	5160
	Landscape	5160	4320

[B-6 DRYPRO722]

Common to PORTLAIT/LANDSCAPE

Format	11X14	14X14	14X17
STANDARD¥1,1	X	X	X
STANDARD¥1,2	X	X	X
STANDARD¥2,1	X	-	X
STANDARD¥1,3	X	-	X
STANDARD¥3,1	-	-	X
STANDARD¥2,2	X	X	X
STANDARD¥2,3	X	X	X
STANDARD¥3,2	X	-	X
STANDARD¥2,4	X	X	X
STANDARD¥4,2	X	-	X
STANDARD¥3,3	X	X	X
STANDARD¥3,4	X	X	X
STANDARD¥4,3	X	-	X
STANDARD¥3,5	X	X	X
STANDARD¥5,3	X	-	X
STANDARD¥4,4	X	X	X
STANDARD¥3,6	X	-	X
STANDARD¥6,3	-	-	X
STANDARD¥4,5	X	X	X
STANDARD¥5,4	X	-	X
STANDARD¥4,6	X	X	X
STANDARD¥6,4	X	-	X
STANDARD¥5,5	X	X	X
STANDARD¥4,7	X	X	X
STANDARD¥7,4	X	-	X
STANDARD¥5,6	X	X	X
STANDARD¥6,5	X	-	X
STANDARD¥4,8	X	-	X
STANDARD¥8,4	-	-	X
STANDARD¥5,7	X	X	X
STANDARD¥7,5	X	-	X
STANDARD¥6,6	X	X	X
STANDARD¥5,8	X	-	X
STANDARD¥8,5	-	-	X
STANDARD¥6,7	X	X	X
STANDARD¥7,6	X	-	X
STANDARD¥6,8	X	X	X
STANDARD¥8,6	X	-	X

Note: Regardless of film size or P/L, formats listed in the above table are supported. However, STANDARD¥1,2/STANDARD¥2,1, and so on can not be supported at a time.(Setting at the installation)

[B-6 DRYPRO722]

MIX

Format	11X14	14X14	14X17
ROW¥3,2	X	X	X
ROW¥2,3	X	X	X
ROW¥3,3,2	X	X	X
ROW¥2,3,3	X	X	X
ROW¥3,3,3,2	-	X	X
ROW¥2,3,3,3	-	X	X

SLIDE

Format	11X14	14X14	14X17
SLIDE¥3,4	X	X	X

Other restriction on the image data
 Different image size should not be in a film format.
 Image size: Column should be the multiple of 4.

Maximum Input Image Size

Film Size	Film Orientation	Columns	Row
14 X 17	Portrait	4272	5112
	Landscape	5224	4162
14 X 14	Portrait	4272	4162
	Landscape		
11 X 14	Portrait	3336	4162
	Landscape	4272	3224

[B-7 DRYPRO 751 / 752]

For PROTRAIT/LANDSCAPE

FOTMAT	11X14	14X14	14X17
STANDARD¥1,1	X	X	X
STANDARD¥1,2	X	X	X
STANDARD¥2,1	X	X	X
STANDARD¥1,3	X	X	X
STANDARD¥3,1	X	X	X
STANDARD¥2,2	X	X	X
STANDARD¥2,3	X	X	X
STANDARD¥3,2	X	X	X
STANDARD¥2,4	X	X	X
STANDARD¥4,2	X	X	X
STANDARD¥3,3	X	X	X
STANDARD¥3,4	X	X	X
STANDARD¥4,3	X	X	X
STANDARD¥3,5	X	X	X
STANDARD¥5,3	X	X	X
STANDARD¥4,4	X	X	X
STANDARD¥3,6	X	X	X
STANDARD¥6,3	X	X	X
STANDARD¥4,5	X	X	X
STANDARD¥5,4	X	X	X
STANDARD¥4,6	X	X	X
STANDARD¥6,4	X	X	X
STANDARD¥5,5	X	X	X
STANDARD¥4,7	X	X	X
STANDARD¥7,4	X	X	X
STANDARD¥5,6	X	X	X
STANDARD¥6,5	X	X	X
STANDARD¥4,8	X	X	X
STANDARD¥8,4	X	X	X
STANDARD¥5,7	X	X	X
STANDARD¥7,5	X	X	X
STANDARD¥6,6	X	X	X
STANDARD¥5,8	X	X	X
STANDARD¥8,5	X	X	X
STANDARD¥6,7	X	X	X
STANDARD¥7,6	X	X	X
STANDARD¥6,8	X	X	X
STANDARD¥8,6	X	X	X
STANDARD¥7,7	X	X	X
STANDARD¥6,9	X	X	X
STANDARD¥9,6	X	X	X
STANDARD¥7,8	X	X	X
STANDARD¥8,7	X	X	X
STANDARD¥6,10	X	X	X
STANDARD¥10,6	X	X	X
STANDARD¥7,9	X	X	X
STANDARD¥9,7	X	X	X
STANDARD¥8,8	X	X	X

[B-7 DRYPRO 751 / 752]

For MIX

FOTMAT	11X14	14X14	14X17
ROW¥3,2	X	X	X
ROW¥2,3	X	X	X
ROW¥3,3,2	X	X	X
ROW¥2,3,3	X	X	X
ROW¥4,4,2	X	X	X
ROW¥2,4,4	X	X	X
ROW¥3,3,3,2	X	X	X
ROW¥2,3,3,3	X	X	X
ROW¥3,1,	X	X	X
ROW¥1,3	X	X	X
ROW¥2,2,1	X	X	X
ROW¥1,2,2	X	X	X
ROW¥3,3,1	X	X	X
ROW¥1,3,3	X	X	X
ROW¥3,3,3,1	X	X	X
ROW¥1,3,3,3	X	X	X

Other restriction on the image data

Different image size should not be in a film format.

Printable Pixel Matrix (PP)

Film Size	Film Orientation	Columns	Row
14 X 17	Portrait	8550	10225
	Landscape	10450	8325
14 X 14	Portrait	8550	8325
	Landscape		
11 X 14	Portrait	6675	8550
	Landscape	8550	6450

Maximum Input image size for each film size, orientation and format can be calculated by following formula.

Maximum Input size in Column: $(PP - 300 - 50(Nh - 1)) / Nh$

Maximum Input size in Row: $(PP - 525 - 50(Nv - 1)) / Nv$

PP = Printable Pixel Matrix, Nh = Number of frames in Column, Nv = Number of frames in Row

ex.: In the case of Film Size 14 x 17, 3 x 4 frames (12 on one format) and Portrait;

Maximum Input size in Column: $(8550 - 300 - 50(3 - 1)) / 3 = 2716$

Maximum Input size in Row: $(10225 - 525 - 50(4 - 1)) / 4 = 2387$

Specified Input Image Size for 1 on 1 format in fixed pixel pitch (80µm).

Film Size	Film Orientation	Columns	Row
14 X 17	Portrait	4272	5112
	Landscape	5224	4162
14 X 14	Portrait	4272	4162
	Landscape		
11 X 14	Portrait	3336	4162
	Landscape	4272	3224

Appendix-C; Status Information

NO	Value	Description
1	BAD RECEIVE MAG	Error in Receive Magazine. Can not store a film in Receive Magazine properly.
2	BAD SUPPLY MAG	Error in Supply Magazine. Can not transport a film from Supply Magazine.
3	CALIBRATING	Printer is in self-calibration process. Soon to be ready.
4	CALIBRATION ERR	Error in calibration. Image quality not secured.
5	CHECK CHEMISTRY	Error in chemical process of film processor. Image quality is not secured.
6	CHECK SORTER	Error in film sorter.
7	CHEMICALS EMPTY	Chemical tank of film processor is empty. Print/processing operation is suspended until processor resumes a normal condition.
8	CHEMICALS LOW	Chemical volume of film processor is low. It may shut down unless it is replenished.
9	COVER OPEN	Cover, drawer or door of printer or film processor is open.
10	ELEC CONFIG ERR	Setting for printer to carry out the process is not properly performed.
11	ELEC DPWN	Unable to drive the printer due to electrical trouble with the hardware.
12	ELEC SW ERROR	Unable to drive the printer due to error in software.
13	EMPTY 8×10	8×10 Film EMPTY.
14	EMPTY 8×10 CLR	8×10 Clear Base Film EMPTY.
15	EMPTY 8×10 BLUE	8×10 Blue Base Film EMPTY.
16	EMPTY 8×10DR	8×10 DR Film EMPTY.
17	EMPTY 8×10DR C	8×10 DR Clear Base Film EMPTY.
18	EMPTY 8×10DR B	8×10 DR Blue Base Film EMPTY.
19	EMPTY 8×10 PAPR	8×10 Paper EMPTY.
20	EMPTY 11×14	11×14 Film EMPTY.
21	EMPTY 11×14 CLR	11×14 Clear Base Film EMPTY.
22	EMPTY 11×14 BLUE	11×14 Blue Base Film EMPTY.
23	EMPTY 11×14DR	11×14 DR Film EMPTY.
24	EMPTY 11×14DR C	11×14 DR Clear Base Film EMPTY.
25	EMPTY 11×14DR B	11×14 DR Blue Film EMPTY.
26	EMPTY 11×14 PAPR	11×14 Paper EMPTY.

Note: Error in halftone means an extended error code.

NO	Value	Description
27	EMPTY 14×14	14×14 Film EMPTY.
28	EMPTY 14×14 CLR	14×14 Clear Base Film EMPTY.
29	EMPTY 14×14 BLUE	14×14 Blue Base Film EMPTY.
30	EMPTY 14×14DR	14×14 DR Film EMPTY.
31	EMPTY 14×14DR C	14×14 DR Clear Base Film EMPTY.
32	EMPTY 14×14DR B	14×14 DR Blue Base Film EMPTY.
33	EMPTY 14×14 PAPR	14×14 Paper EMPTY.
34	EMPTY 14×17	14×17 Film EMPTY.
35	EMPTY 14×17 CLR	14×17 Clear Base Film EMPTY.
36	EMPTY 14×17 BLUE	14×17 Blue Base Film EMPTY.
37	EMPTY 14×17DR	14×17 DR Film EMPTY.
38	EMPTY 14×17DR C	14×17 DR Clear Base Film EMPTY.
39	EMPTY 14×17DR B	14×17 DR Blue Base Film EMPTY.
40	EMPTY 14×17 PAPR	14×17 Paper EMPTY.
41	EMPTY 24×24	24×24 Film EMPTY.
42	EMPTY 24×24 CLR	24×24 Clear Base Film EMPTY.
43	EMPTY 24×24 BLUE	24×24 Blue Base Film EMPTY.
44	EMPTY 24×24DR	24×24 DR Film EMPTY.
45	EMPTY 24×24DR C	24×24 DR Clear Base EMPTY.
46	EMPTY 24×24DR B	24×24 DR Blue Base Film EMPTY.
47	EMPTY 24×24 PAPR	24×24 Paper EMPTY.
48	EMPTY 24×30	24×30 Film EMPTY.
49	EMPTY 24×30 CLR	24×30 Clear Base Film EMPTY.
50	EMPTY 24×30 BLUE	24×30 Blue Base Film EMPTY.
51	EMPTY 24×30DR	24×30 DR Film EMPTY.
52	EMPTY 24×30DR C	24×30 DR Clear Base Film EMPTY.
53	EMPTY 24×30DR B	24×30 DR Blue Base Film EMPTY.
54	EMPTY 24×30 PAPR	24×30 Paper EMPTY.
55	EMPTY A4 PAPR	A4 Paper EMPTY.
56	EMPTY A4 TRANS	A4 Slide Film EMPTY.

NO	Value	Description
57	EXPOSURE FAILURE	Unknown problem occurred in exposure unit.
58	FILM JAM	Film jam occurred in printer or film processor.
59	FILM TRANSP ERR	Error in film transport.
60	FINISHER EMPTY	Finisher EMPTY
61	FINISHER ERROR	Finisher ERROR
62	FINISHER LOW	Finisher LOW
63	LOW 8×10	8×10 Film LOW.
64	LOW 8×10 CLR	8×10 Clear Base Film LOW.
65	LOW 8×10 BLUE	8×10 Blue Base Film LOW.
66	LOW 8×10 DR	8×10 DR Film LOW.
67	LOW 8×10 DR C	8×10 DR Clear Base Film LOW.
68	LOW 8×10 DR B	8×10 DR Blue Base Film LOW.
69	LOW 8×10 PAPR	8×10 Paper LOW.
70	LOW 11×14	11×14 Film LOW.
71	LOW 11×14 CLR	11×14 Clear Base Film LOW.
72	LOW 11×14 BLUE	11×14 Blue Base Film LOW .
73	LOW 11×14 DR	11×14 DR Film LOW.
74	LOW 11×14 DR C	11×14 DR Clear Base Film LOW.
75	LOW 11×14 DR B	11×14 DR Blue Base Film LOW .
76	LOW 11×14 PAPR	11×14 Paper LOW.
77	LOW 14×14	14×14 Film LOW.
78	LOW 14×14 CLR	14×14 Clear Base Film LOW.
79	LOW 14×14 BLUE	14×14 Blue Base Film LOW.
80	LOW 14×14DR	14×14 DR Film LOW.
81	LOW 14×14DR C	14×14 DR Clear Base Film LOW.
82	LOW 14×14DR B	14×14 DR Blue Base Film LOW.
83	LOW 14×14 PAPR	14×14 Paper LOW.
84	LOW 14×17	14×17 Film LOW.
85	LOW 14×17 CLR	14×17 Clear Base Film LOW.
86	LOW Y 14×17 BLUE	14×17 Blue Base Film LOW.
87	LOW 14×17DR	14×17 DR Film LOW .
88	LOW 14×17DR C	14×17 DR Clear Base Film LOW.
89	LOW 14×17DR B	14×17 DR Blue Base Film LOW.
90	LOW 14×17 PAPR	14×17 Paper EMPTY.

NO	Value	Description
91	LOW 24×24	24×24 Film LOW.
92	LOW 24×24 CLR	24×24 Clear Base Film LOW.
93	LOW 24×24 BLUE	24×24 Blue Base Film LOW.
94	LOW 24×24 DR	24×24 DR Film LOW.
95	LOW 24×24 DR C	24×24 DR Clear Base Film LOW.
96	LOW 24×24 DR B	24×24 DR Blue Base Film LOW.
97	LOW 24×24 PAPR	24×24 Paper LOW.
98	LOW 24×30	24×30 Film LOW.
99	LOW 24×30 CLR	24×30 Clear Base Film LOW.
100	LOW 24×30 BLUE	24×30 Blue Base Film LOW.
101	LOW 24×30 DR	24×30 DR Film LOW.
102	LOW 24×30 DR C	24×30 DR Clear Base Film LOW.
103	LOW 24×30 DR B	24×30 DR Blue Base Film LOW.
104	LOW 24×30 PAPR	24×30 Paper LOW.
105	LOW A4 PAPR	A4 Paper LOW
106	LOW A4 TRANS	A4 Slide Film LOW.
107	NO RECEIVE MGZ	Receive Magazine not installed.
108	NO RIBBON	Ribbon cartridge ran out. Replace with new one.
109	NO SUPPLY MGZ	Supply Magazine not installed.
110	CHECK PRINTER	Printer is not ready.
111	CHECK PROC	Film processor not ready.
112	PRINTER DOWN	Printer is not in operation due to undefined reason.
113	PRINTER INIT	Printer is not ready under normal warm up process, etc.
114	PROC INIT	Film processor is not ready under normal warm up process, etc.
115	PROC OVERFLOW FL	Any one of processing chemical in the film processor is almost reaching the overflow level.
116	PROC OVERFLOW HI	Any one of processing chemical in the film processor is almost reaching the overflow level.
117	RECEIVER FULL	Receive Magazine is full.
118	REQ MED NOT INST	Specified film, paper, other media is properly set, but needs operator's help.
119	REQ MED NOT AVAI	Specified film, paper, other media is not supported by the printer.
120	RIBBON ERROR	Unknown problem occurred with ribbon.
121	SUPPLY EMPTY	Supply Magazine is empty.
122	SUPPLY LOW	Film in Supply Magazine is low.
123	UNKNOWN	Unknown problem occurred.

Note: Shaded items are extended error code.