![Böwe Bell + Howell logo] **BÖWE BELL☩HOWELL**

Sidekick
ISIS Driver Specification
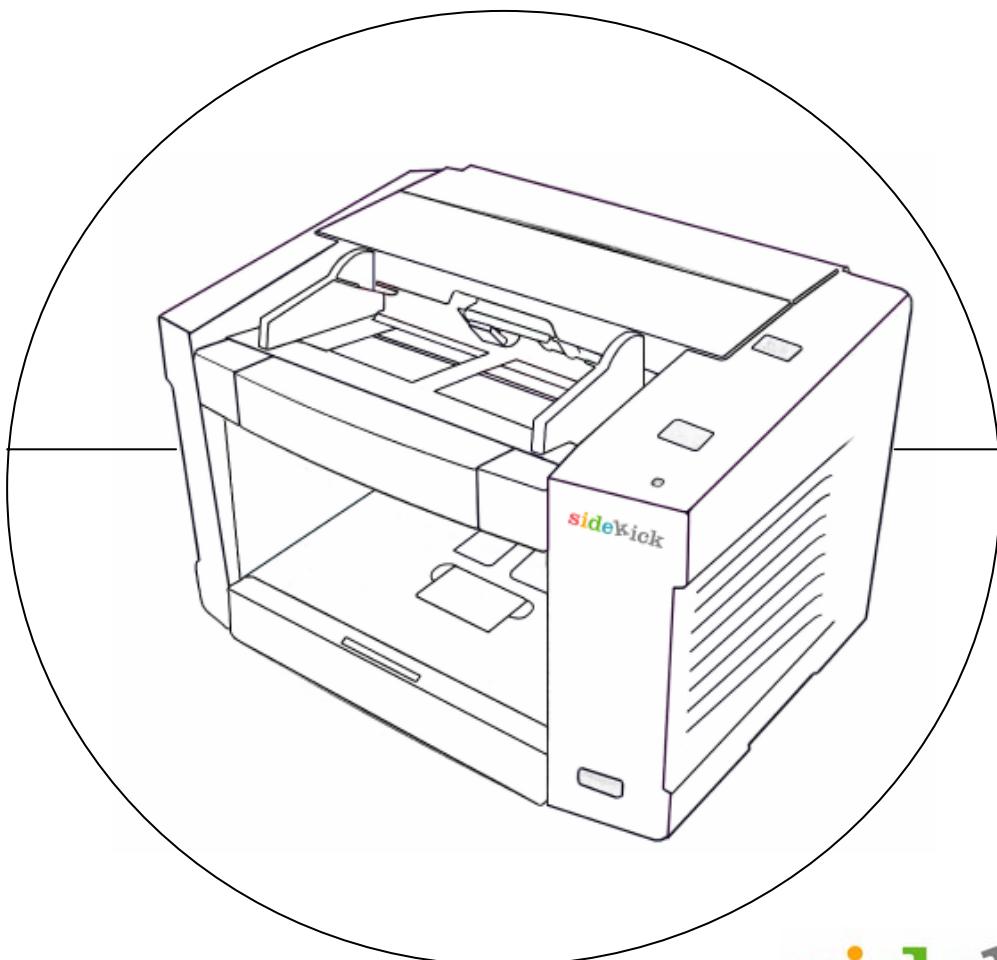
sideKick
Color Scanner

Model 1200/1400/1400u

Part Number S006964 – Rev A

Böwe Bell + Howell Scanners

> Please read this manual for proper operation and maintenance of the scanner. Keep this documentation in a safe place for future reference.

Table of Contents

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1   Introduction

Purpose

The purpose of this document is to define and describe the graphical user interface (GUI) and the application program interface (API) of an imaging scanner ISIS driver.

2   Scope

This document applies to the ISIS drivers developed for the following document imaging scanner(s):

- Böwe Bell and Howell 1200
- Böwe Bell and Howell 1400
- Böwe Bell+Howell 1400u

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3   Specification

This driver was developed for use with the Microsoft Windows ("Windows") family of operating systems. Its user interface ("UI") consists of multiple standard Windows dialog boxes ("dialogs") each of which is described in detail below.

3.1   Dialog Descriptions

The controls used to operate the scanner are grouped into dialogs as follows:

Set Dialog   Also known as the "main dialog", this dialog contains controls for "standard" scanner functionality such as resolution, page size, contrast/threshold, simple/duplex, etc. This is the dialog that is displayed in response to the ISIS standard PixDrvSetDialog() command.

Advanced Settings Dialog   This dialog contains controls that are specific to the scanner for which it was designed. In this device, this dialog contains Drop Out, Feeding Features, Image Options and more.

Imprinter Dialog   This dialog contains controls that manipulate and configure the imprinter device attached to the scanner (if available).

There is a dialog tree employed within this driver.

- One with an entry point into the Main dialog.

```
                    ┌──────────┐
                    │   Main   │
                    └──────────┘
                         │
         ┌───────────────┼───────────────┐
         ▼               ▼               ▼
    ┌─────────┐     ┌──────────┐    ┌─────────┐
    │  More   │     │ Imprinter│    │  About  │
    └─────────┘     └──────────┘    └─────────┘
                         │
                         ▼
                    ┌─────────┐
                    │  Help   │
                    └─────────┘
```
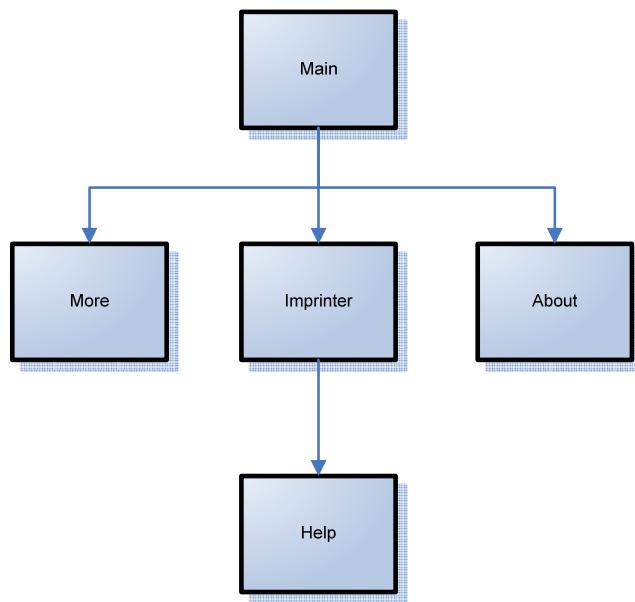
- One with an entry point into the Advanced Settings dialog

```
                 ┌──────────────────┐
                 │ Advanced Setting │
                 └──────────────────┘
                         │
         ┌───────────────┼───────────────┐
         ▼               ▼               ▼
    ┌─────────┐     ┌──────────┐    ┌─────────┐
    │  More   │     │ Imprinter│    │  About  │
    └─────────┘     └──────────┘    └─────────┘
                         │
                         ▼
                    ┌─────────┐
                    │  Help   │
                    └─────────┘
```

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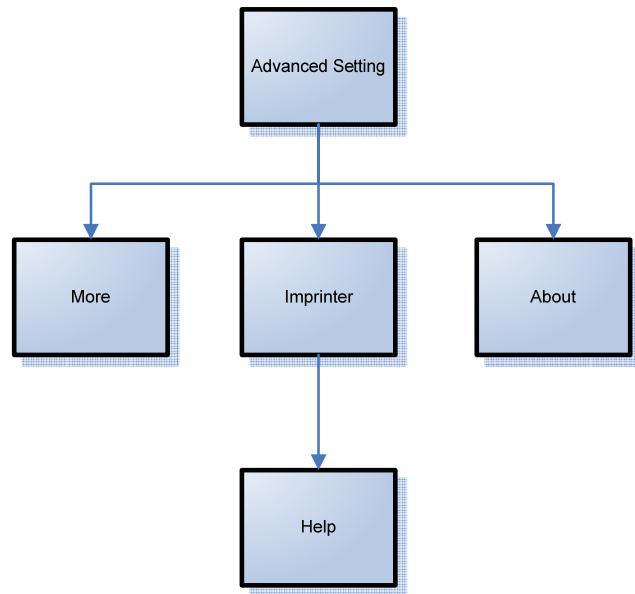
3.2.1   Conventions

The specification for each control contains the following elements:

Type The Windows control type used to represent the element.

Values Possible values associated with this control

Persistent Indicates whether the value is saved and restored when the host application uses the PixTools / Scan PixTagSaveFile(…) and PixTagRestoreFile(…) function calls.

Default The default value. This is the value that is set when the Default… button is clicked in the UI or the PixTagSetDefault() API is used.

Tag Type The type of tag associated with this element. Possible values are ISIS and Meta. An ISIS tag indicates that a TAG_… will be associated with this value, which can be controlled via the ISIS API. A Meta tag indicates that this control is used internally by the UI and is a possible modifier of another control.

Tag Value The associated ISIS tag value if tag type is ISIS.

Dependencies Lists the conditions in which this control is valid.

Description A description of this control, along with possible control specific data.

3.2.2   Initialization

Model Detection

When loading, the driver shall detect the device model. This information shall be used to verify that the driver matches the device and, if a match is found, configure the ISIS tags based on feature support of that model. If the device does not match the driver, the driver shall not finalize the load.

The driver shall use the INQUIRY command to recognize the device by checking the 16-byte value stored in the Product Identification member of the inquiry data block and comparing it to the following table of known devices:

Product Identification	Device Model
B+H 1200	Bowe Bell and Howell 1200
B+H 1400	Bowe Bell and Howell 1400
B+H 1400U	Böwe Bell+Howell 1400u

NOTE: 1400u model supports Ultrasonic multifeed detection which other models do not support. 1400u model supports only USB connection. Other model support SCSI and USB connection.

ISIS driver file name

Each model has own ISIS driver file name.

Product Identification	ISIS driver name
B+H 1200	Bbh1200.pxn
B+H 1400	Bbh1400.pxn
B+H 1400U	Bbh1400u.pxn

3.3   Set Dialog
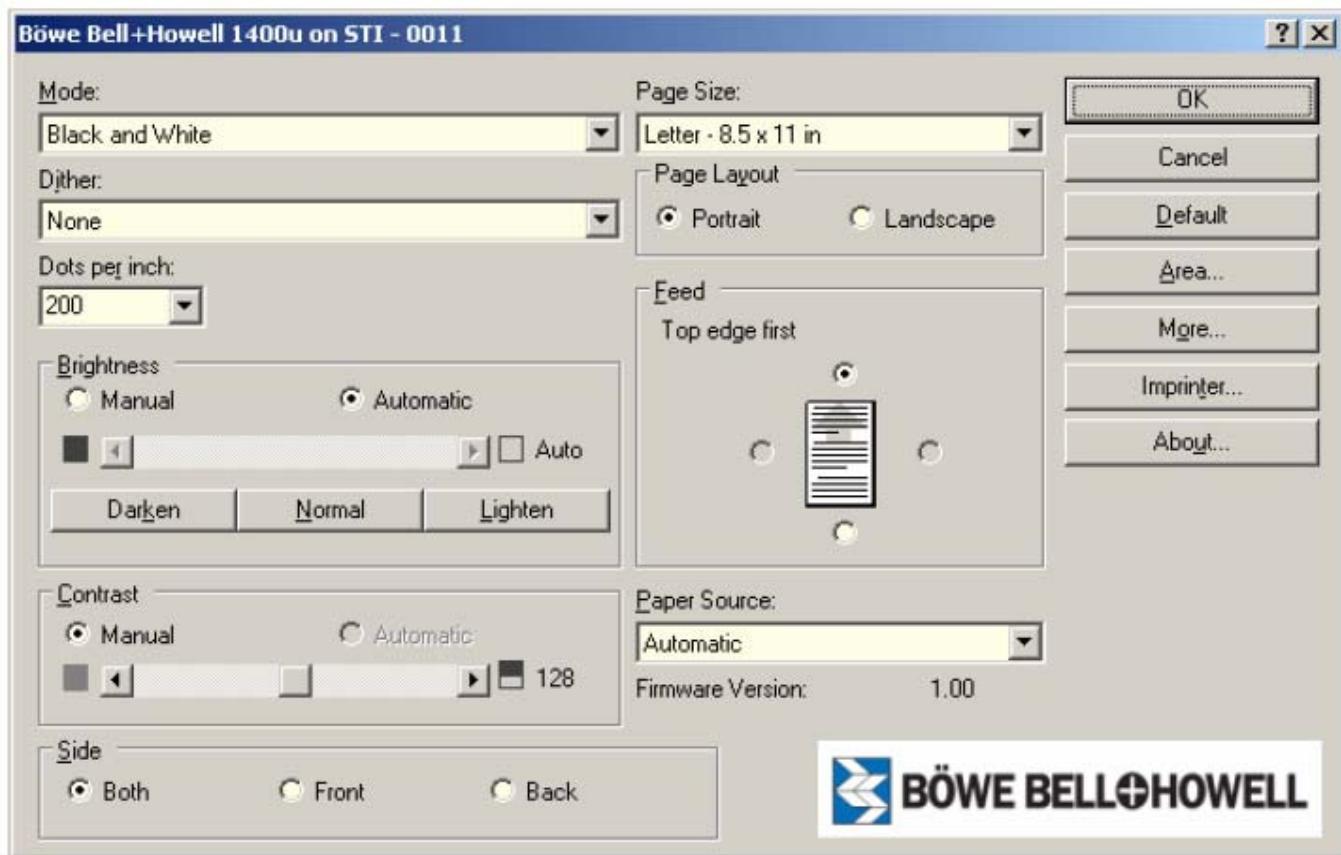
Figure 1

3.3.1 Mode

Control Type		Tag Type	Tag		Persistent
Dropdown List		Meta	N/A		Yes
Description:	Used to choose image mode to scan with either binary, grayscale, color. This setting affect to TAG_BITSPERSAMPLE and TAG_SAMPLESPERPIXEL.				
Values:	Black and White 16-level Gray 256-level Gray 24-bit Color				
Default:	Black and White				
Note:	**Associated ISIS TAG detail by Mode choice:** Each choice sets ISIS TAG value as follows.				

	TAG_SAMPLESPERPIXEL	TAG_BITSPERSAMPLE	Note
Black and White	1	1	
16-level Gray	1	4	
256-level Gray	1	8	
24-bit Color	3	8	

Dependencies:	None.

3.3.2 Dither

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_DITHER	Yes
Description:	Selects from available dither patterns.			
Values:	"None"			
Default:	"None"			
Dependencies:	Only available in binary mode.			

3.3.3 Dots per inch

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_XRESOLUTION TAG_YRESOLUTION	Yes
Description:	Sets scan resolution.			
Values:	Minimum 100 dpi Maximum 600 dpi Step 10 dpi			
Default:	300			
Dependencies:	None.			

3.3.4   Brightness

Control Type		Tag Type	Tag	Persistent
Radio Button		Meta	N/A	Yes
Description:	Selects mode of brightness control.			
Values:	0 "Manual"			
	1 "Automatic"			
Default:	1 "Automatic"			
Dependencies:	[Automatic] is available only when black and white is selected.			
Control Type		Tag Type	Tag	Persistent
Horizontal Scroll Bar		ISIS	TAG_BRIGHTNESS	Yes
Description:	Sets threshold value. The ISIS driver maps the value set to the TAG_BRIGHTNESS tag to this threshold control.			
Values:	Minimum 1			
	Maximum 255			
	Step 1			
Default:	N/A			
Dependencies:	When Automatic is selected, horizontal scroll bar is disabled.			
Control Type		Tag Type	Tag	Persistent
Buttons		Meta	N/A	No
Description:	Used as quick-sets to adjust the brightness. Modifies TAG_BRIGHTNESS.			
Values:	205 "Lighten"			
	128 "Normal"			
	51 "Darken"			
Default:	N/A			
Dependencies:	None			

3.3.5   Contrast

Control Type		Tag Type	Tag	Persistent
Radio Button		Meta	N/A	Yes
Description:	Selects mode of contrast control in binary mode.			
Values:	0 "Manual"			
Default:	0 "Manual"			
Dependencies:	Automatic is to be permanently disabled since this device does not support auto-contrast.			
Control Type		Tag Type	Tag	Persistent
Horizontal Scroll Bar		ISIS	TAG_CONTRAST	Yes
Description:	Sets contrast value.			
Values:	Minimum 1			
	Maximum 255			
	Step 1			
Default:	128			
Dependencies:	None.			

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3.3.6   Side

Control Type		Tag Type	Tag	Persistent
Radio Button		Meta	N/A	Yes
Description:	Defines which window to apply settings to.			
Values:	Both Front Back			
Default:	Both			
Dependencies:	Following functions can be set independently by this control. [Main Dialog] Brightness, Contrast.			

3.3.7   Page Size, Page Layout, Feed

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_PAGESIZE	Yes
Description:	Page size. Selects from a predefined set of page sizes. Used to define the scan area.			
Values:	A4 - 210 x 297 mm A5 - 148 x 210 mm A6 - 105 x 148 mm A7 - 74 x 105 mm A8 - 52 x 74 mm B5 (ISO) - 176 x 250 mm B5 (JIS) - 182 x 257 mm B6 (ISO) - 125 x 176 mm B6 (JIS) - 128 x 182 mm B7 (ISO) - 88 x 125 mm B7 (JIS) - 91 x 128 mm B8 (ISO) - 62 x 88 mm B8 (JIS) - 64 x 91 mm Business Card - 55 x 91 mm Legal - 8.5 x 14 in Letter - 8.5 x 11 in Scanner's Maximum			
Default:	Regional dependent: Letter for US, A4 for metric			
Dependencies:	The maximum scan size is as follows. 8.5 x 25 inches. Starting position: TAG_XPOSITION, TAG_YPOSITION Scan size: TAG_IMAGELENGTH, TAG_IMAGEWIDTH			
Control Type		**Tag Type**	**Tag**	**Persistent**
Radio Button		ISIS	TAG_DATAORIENTATION	Yes
Description:	Selects the orientation of the image after the page is scanned.			
Values:	1 TAG_DATAORIENTATION_PORT "Portrait" 2 TAG_DATAORIENTATION_LAND "Landscape"			
Default:	1 TAG_DATAORIENTATION_PORT "Portrait"			
Dependencies:	If selected page size can not be fed in the scanner, the selection will not be available.			
Control Type		**Tag Type**	**Tag**	**Persistent**
Radio Button		ISIS	TAG_SCANORIENTATION	Yes

Description:	This collection of radio buttons determines the orthogonal rotation of the image. Used in conjunction with the page graphic, it indicates to the user which edge of the page should be fed to achieve the orientation of the image. When any of these radio buttons are selected, the arrow contained within the page graphic shall point to the edge to be fed.
	Used in conjunction with TAG_DATAORIENTATION to define rotation based on the orientation of the page.
Values:	1 TAG_SCANORIENTATION_PORT "Top edge first" 2 TAG_SCANORIENTATION_LAND "Right edge first" 3 TAG_SCANORIENTATION_180 "Bottom edge first" 4 TAG_SCANORIENTATION_270 "Left edge first"
Default:	1 TAG_SCANORIENTATION_PORT "Top edge first"
Dependencies:	If selected page size can not be fed in the scanner, the selection will not be available.

3.3.8   Paper Source

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_SCANTYPE	Yes
Description:	Selects the scan source. Make back side cameras available for selection/configuration. Indirectly modifies TAG_SCANTYPE.			
Values:	TAG_SCANTYPE_AUTOMATIC "Automatic" TAG_SCANTYPE_FEEDER "Feeder" TAG_SCANTYPE_DUPLEX "Duplex"			
Default:	TAG_SCANTYPE_AUTOMATIC "Automatic"			
Dependencies:	None.			

3.3.9   Firmware Version

Control Type		Tag Type	Tag	Persistent
Static text		Meta	N/A	No
Description:	It shows scanner firmware version.			
Dependencies:	N/A			

3.3.10   Ok

Control Type		Tag Type	Tag	Persistent
Button		Meta	N/A	No
Description:	Closes the dialog and notifies caller that the user accepts the changes made within the dialog.			
Dependencies:	N/A			

3.3.11   Cancel

Control Type		Tag Type	Tag	Persistent
Button		Meta	N/A	No
Description:	Closes the dialog and notifies caller that the user does not accept the changes made within the dialog.			
Dependencies:	N/A			

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3.3.12   Default

Control Type		Tag Type	Tag		Persistent
Button		Meta	N/A		No
Description:	Resets all tags to their default values. **This affects tags on all other dialogs.**				
Dependencies:	N/A.				

3.3.13   Area…

Control Type		Tag Type	Tag		Persistent
Button		Meta	N/A		No
Description:	Opens the Area Dialog.				
Dependencies:	N/A.				

3.3.14   More…

Control Type		Tag Type	Tag		Persistent
Button		Meta	N/A		No
Description:	Opens the More Dialog.				
Dependencies:	N/A.				

3.3.15   Imprinter…

Control Type		Tag Type	Tag		Persistent
Button		Meta	N/A		No
Description:	Opens the Imprinter dialog box.				
Dependencies:	N/A.				

3.3.16   About…

Control Type		Tag Type	Tag		Persistent
Button		Meta	N/A		No
Description:	Opens the About box.				
Dependencies:	N/A.				

3.4 More Settings Dialog

Figure 1

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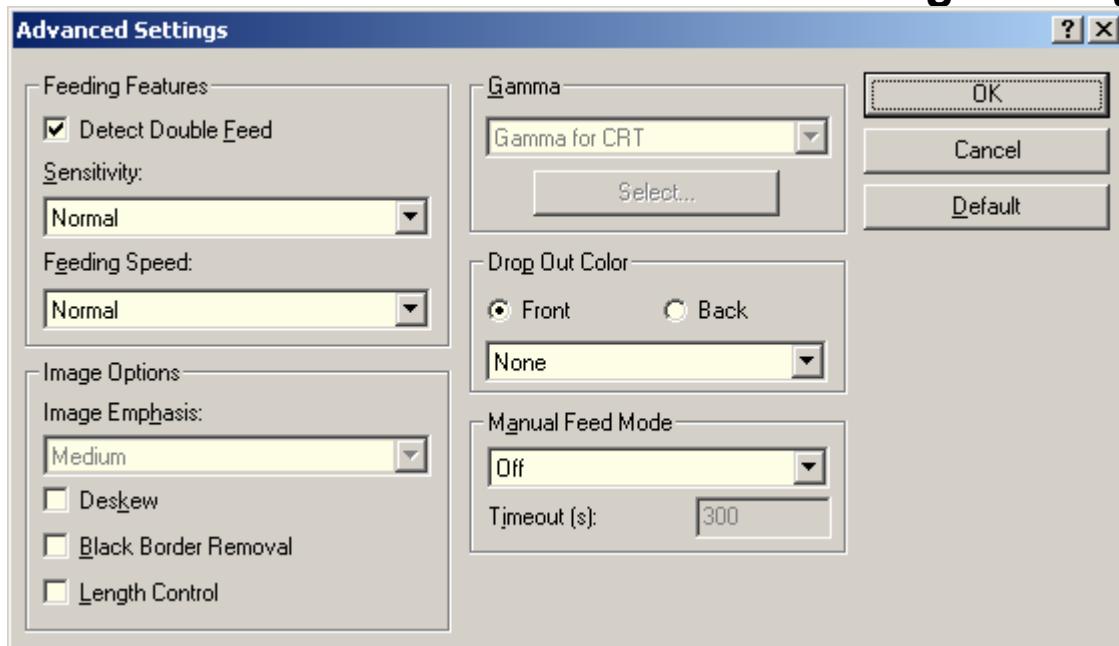
3.4.1   Detect Double Feed

Control Type		Tag Type	Tag	Persistent
Check Box		ISIS	TAG_FEEDER_DOUBLEDETECT	Yes
Description:	Enables or disables double feed detection.			
Values:	OFF ON			
Default:	OFF			
Dependencies:	When this control is disabled, Sensitivity is not available. Default to ON for 1400u mode, OFF to other models.			

3.4.2   Sensitivity

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_FEEDER_DOUBLEDETECT_SENSITIVITY	Yes
Description:	Select ultrasonic sensitivity.			
Values:	0 TAG_FEEDER_DOUBLEDETECT_SENSITIVITY_LOW 1 TAG_FEEDER_DOUBLEDETECT_SENSITIVITY_NORMAL 2 TAG_FEEDER_DOUBLEDETECT_SENSITIVITY_HIGH			
Default:	N/A			
Dependencies:	This control is available when Detect Double Feed is enabled.			

3.4.3   Feeding Speed

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_SCANNINGSPEED	Yes
Description:	Select scanning speed.			
Values:	1 NORMAL 2 FAST			
Default:	1 NORMAL			
Dependencies:	This control is available when 24-bit Color is selected.			

3.4.4   Image Emphasis

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_EMPHASIS	Yes
Description:	Selects the image emphasis.			
Values:	None TAG_EMPHASIS_OFF Low TAG_EMPHASIS_LOW Medium TAG_EMPHASIS_MEDIUM High TAG_EMPHASIS_HIGH Smooth TAG_EMPHASIS_SMOOTH			
Default:	Medium TAG_EMPHASIS_MEDIUM			
Dependencies:	Choices available only when brightness is set to a manual value.			

3.4.5   Deskew

Control Type		Tag Type	Tag	Persistent
Check Box		ISIS	TAG_FILTER_DESKEW	Yes
Description:	Enables or disables deskew.			
Values:	OFF	TAG_FILTER_DESKEW_OFF		
	ON	TAG_FILTER_DESKEW_NORMAL		
Default:	OFF	TAG_FILTER_DESKEW_OFF		
Dependencies:	This control is available only when black and white is selected.			

3.4.6   Black Border Removal

Control Type		Tag Type	Tag	Persistent
Check Box		ISIS	TAG_DETECTPAGESIZE	Yes
Description:	Enables or disables black border removal.			
Values:	OFF	Unchecked		
	ON	Checked		
Default:	OFF	Unchecked		
Dependencies:	This control is available only when black and white is selected.			

3.4.7   Length Control

Control Type		Tag Type	Tag	Persistent
Check Box		ISIS	TAG_DETECTPAGELENGTH	Yes
Description:	When enabled, detects the length of the page.			
Values:	OFF	Unchecked		
	ON	Checked		
Default:	OFF	Unchecked		
Dependencies:	N/A.			

3.4.8   Gamma

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_GAMMA	Yes
Description:	Selects the gamma table.			
Values:	Normal	TAG_GAMMA_NORMAL		
	Gamma for CRT	TAG_GAMMA_CRT		
	User Download	TAG_GAMMA_DOWNLOAD1		
Default:	Normal	TAG_GAMMA_NORMAL		
Dependencies:	Choices only available when not scanning binary.			

3.4.9   Gamma Select

Control Type		Tag Type	Tag	Persistent
Button		Meta	N/A	No
Description:	Selects the gamma table to download to the scanner.			
Values:				
Default:				
Dependencies:	Only available when Gamma is set to User Download.			

3.4.10 Drop Out Color

Control Type		Tag Type	Tag	Persistent
Group box w/Radio, Dropdown		ISIS	TAG_DROPOUT	Yes
Description:	Sets up the dropout color for front and back sides.			
Values:	None TAG_DROPOUT_NONE Green TAG_DROPOUT_GREEN Red TAG_DROPOUT_RED Blue TAG_DROPOUT_BLUE			
Default:	TAG_DROPOUT_NONE – None			
Dependencies:	This control is not available when color is selected.			

3.4.11 Manual Feed Mode

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_MANUALFEED	Yes
Description:	Selects the manual feed mode.			
Values:	OFF TAG_MANUALFEED_OFF Start Button TAG_MANUALFEED_BUTTON ON TAG_MANUALFEED_ON			
Default:	OFF TAG_MANUALFEED_OFF			
Dependencies:	This control disables Timeout control when OFF is selected.			

3.4.12 Manual Feed Mode Timeout

Control Type		Tag Type	Tag	Persistent
Edit Field		ISIS	TAG_MANUALTIMEOUT	Yes
Description:	Selects the timeout value for the manual feed mode, measured in seconds.			
Values:	1 – 300 seconds.			
Default:	300 seconds.			
Dependencies:	Only available when Manual Timeout is enabled (not Off).			

3.4.13 Ok

Control Type		Tag Type	Tag	Persistent
Button		Meta	N/A	No
Description:	Closes the dialog and notifies caller that the user accepts the changes made within the dialog.			
Dependencies:	N/A			

3.4.14 Cancel

Control Type		Tag Type	Tag	Persistent
Button		Meta	N/A	No
Description:	Closes the dialog and notifies caller that the user does not accept the changes made within the dialog.			
Dependencies:	N/A			

Control Type	Tag Type	Tag	Persistent
Button	Meta	N/A	No
Description: Resets all the tags on this dialog to their default values.			
Dependencies: N/A			

3.5   Imprinter
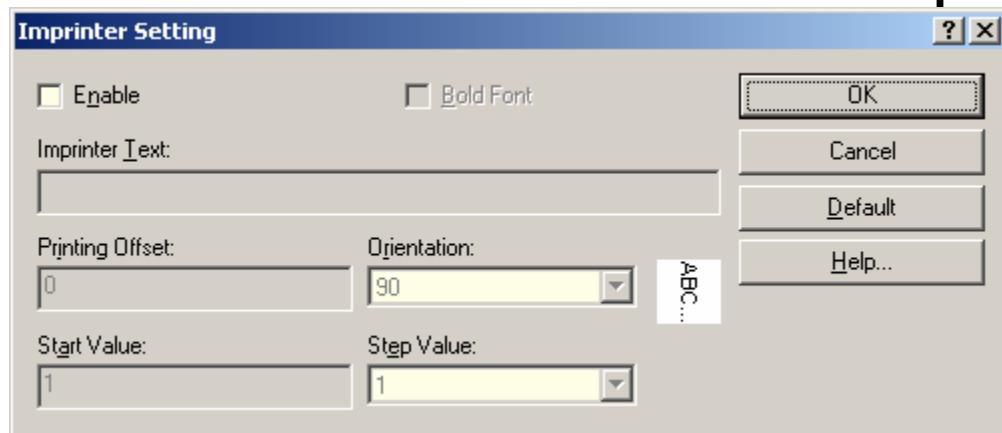
Figure 3

3.5.1   Enable

Control Type		Tag Type	Tag	Persistent
Check Box		Meta	N/A	No
Description:	Enable Endorser functions.			
Values:	0 "OFF" 1 "ON"			
Default:	0 "OFF"			
Dependencies:	The endorser will only be active if there is text in "Imprinter Text"			

3.5.2   Bold Font

Control Type		Tag Type	Tag	Persistent
Checkbox		ISIS	TAG_ENDORSER_FONT	Yes
Description:	Enables or disables a bold font.			
Values:	Normal Font Unchecked Bold Font Checked			
Default:	Normal Font Unchecked			
Dependencies:	N/A.			

3.5.3   Imprinter Text

Control Type		Tag Type	Tag	Persistent
Edit		ISIS	TAG_ENDORSER_STRING	Yes
Description:	Defines the text to imprint on each page. An incremental counter can be printed using a '#' in the text. The date and time can also be printed. See the Imprinter Help dialog for a more complete explanation.			
Values:	Any text with the following limits. The text can only be 72 characters long. All characters must have a value between 0x20 and 0x5f or between 0x61 and 0x7e.			
Default:	""			
Dependencies:	N/A.			

3.5.4   Printing Offset

Control Type		Tag Type	Tag	Persistent
Edit		ISIS	TAG_ENDORSER_YOFFSET	Yes
Description:	Sets the offset from the top of the page for the start of the endorser text. To calculate the actual offset, multiply by 2.38mm and then add 10mm if the Orientation is 90 or 270 or multiply by 3.44mm and then add 10mm if the Orientation is 0 or 180.			
Values:	0 – 99			
Default:	0			
Dependencies:	N/A.			

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3.5.5 Orientation

Control Type		Tag Type	Tag	Persistent
Dropdown List		ISIS	TAG_ENDORSER_ORIENTATION	Yes
Description:	Selects the orientation of the characters. See the icon on the dialog for a sample.			
Values:	0	TAG_ENDORSER_ORIENTATION_PORT		
	90	TAG_ENDORSER_ORIENTATION_LAND		
	180	TAG_ENDORSER_ORIENTATION_180		
	270	TAG_ENDORSER_ORIENTATION_270		
Default:	90	TAG_ENDORSER_ORIENTATION_LAND		
Dependencies:	N/A.			

3.5.6 Start Value

Control Type	Tag Type	Tag	Persistent
Edit	ISIS	TAG_ENDORSER_INCSTART	Yes
Description:	Sets the starting value for an incremental counter.		
Values:	0 – 9999999		
Default:	0		
Dependencies:	The start value is only used if there is a '#' in the Imprinter Text.		

3.5.7 Step Value

Control Type	Tag Type	Tag	Persistent
Dropdown List	ISIS	TAG_ENDORSER_INCSTEP	Yes
Description:	Sets the increment value for a counter. The value of the counter will be increased by this number for each page.		
Values:	1 – 9		
Default:	1		
Dependencies:	The start value is only used if there is a '#' in the Imprinter Text.		

3.5.8 Ok

Control Type	Tag Type	Tag	Persistent
Button	Meta	N/A	No
Description:	Closes the dialog and notifies caller that the user accepts the changes made within the dialog.		
Dependencies:	N/A		

3.5.9 Cancel

Control Type	Tag Type	Tag	Persistent
Button	Meta	N/A	No
Description:	Closes the dialog and notifies caller that the user does not accept the changes made within the dialog.		
Dependencies:	N/A		

3.5.10 Default

Control Type	Tag Type	Tag	Persistent
Button	Meta	N/A	No
Description:	Resets all the tags on this dialog to their default values.		
Dependencies:	N/A		

3.5.11 Help…

Control Type	Tag Type	Tag	Persistent
Button	N/A	N/A	No
Description:	Displays help dialog box.		
Dependencies:	N/A.		

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3.6   About Dialog

Displays the version of this driver

Contains certifications status of this driver. Only drivers that have been certified by Pixel Translations will contain the official certification logo.

Displays the version of QuickDriver used to develop this driver.

About

bbh1400u Version 1.1.10611.21001
Böwe Bell+Howell 1400u
Copyright © 2006 EMC Corporation.

ISIS CERTIFIED

Created with
QuickDriver Version 1.0.10610.18001

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OK

4   API

This sections details elements that are related to the API functions of this driver.

4.1   Tags

4.1.1 Settings of image mode

	TAG_SAMPLESPERPIXEL	TAG_BITSPERSAMPLE	TAG_WINDOW	Note
Black and White	1	1	0	
16-Level Gray	1	4	0	
256-Level Gray	1	8	0	
24-bit Color	3	8	0	

4.1.2   Settings of imprinter

The format string can include a combination of format specifiers (with modifiers) and messages. Here is help content ISIS driver support.

Imprinter Help

Enable - Imprinter prints on the page if checked.

Bold Font - A bold font is used when printing.

Imprinter Text - The text to print on the page. The following special codes can be used to print dynamic text:

Incremental counter: [%[0][x]]#

Brackets denote optional parameters. 'x' is a digit and represents the number of digits to use in the counter. '0' will left-fill numbers with '0' instead of spaces. See the examples below.

```
#    ->  "ssssss1" (s = space)
%0#  ->  "0000001"
%3#  ->  "ss1" (s = space)
%05# ->  "00001"
```

Date: %xd

'x' is a digit from 1 to 4 and specifies the date

```
%1d -> YY/MM/DD -> "71/12/19"
%2d -> YYYY/MM/DD -> "1971/12/19"
%3d -> MM/DD/YY "12/19/71"
%4d -> DD Abbreviated Month, YYYY -> "19 Dec., 1971"
```

Time: %xt

'x' is 1 or 2 and specifies the time

```
%1t -> HH:MM -> "04:56"
%2t -> HH:MM:SS -> "4:56:23"
```

Printing Offset - Vertical offset where printing begins. Use the following formula to determine this value.

When the Orientation is 90 or 270, multiply the Printing Offset by 2.38mm. When the Orientation is 0 or 180, multiply the Printing Offset by 3.44mm. Always add 10mm extra.

For example, if Printing Offset is 20 and the Orientation is 90, the printing will begin at 57.6mm (2.38mm * 20 + 10mm)

Orientation - Specifies the orientation of the characters.

Start Value - The starting value for the incremental counter.

Step Value - The per-page increment for the incremental counter.

Close

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4.1.3 Tag List (Defaults)

The list below shows the default values and states of the ISIS driver API tags. This list was generated after the Default button was pressed in the UI. The value and choice list for many tags is dynamic and will differ based on dependent tags.

ISIS Driver Tag List for the Böwe Bell+Howell 1400u in Binary mode

Böwe Bell+Howell 1400 version 1.1.10612.4001

```
Name:    TAG_BELL                         HIGH:    256
Tag:     0x0508 / 1288                    DEFAULT: 256
Type:    LONG                             CURRENT: 256
Style:   LIST                             -----------------------------------------
Count:   1                                Name:    TAG_GAMMA_TABLE4
Items:   [0] 0                            Tag:     0x056B / 1387
LOW:     0                                Type:    LONG
HIGH:    0                                Style:   RANGE
DEFAULT: 0                                LOW:     0
CURRENT: 0                                HIGH:    255
-----------------------------------------  STEP:    1
Name:    TAG_BITSPERSAMPLE                DEFAULT: 0
Tag:     0x0102 / 258                     CURRENT: 0
Type:    LONG                             -----------------------------------------
Style:   LIST                             Name:    TAG_IMAGELENGTH
Count:   3                                Tag:     0x0101 / 257
Items:   [0] 1                            Type:    LONG
         [1] 4                            Style:   RANGE
         [2] 8                            LOW:     32
LOW:     1                                HIGH:    2200
HIGH:    8                                STEP:    1
DEFAULT: 1                                DEFAULT: 2200
CURRENT: 1                                CURRENT: 2200
-----------------------------------------  -----------------------------------------
Name:    TAG_BRIGHTNESS                   Name:    TAG_IMAGEWIDTH
Tag:     0x0502 / 1282                    Tag:     0x0100 / 256
Type:    LONG                             Type:    LONG
Style:   RANGE                            Style:   RANGE
LOW:     -3 TAG_BRIGHTNESS_AUTO          LOW:     32
HIGH:    255                              HIGH:    1696
STEP:    1                                STEP:    16
DEFAULT: -3 TAG_BRIGHTNESS_AUTO          DEFAULT: 1696
CURRENT: -3 TAG_BRIGHTNESS_AUTO          CURRENT: 1696
-----------------------------------------  -----------------------------------------
```

Name: TAG_BUFSIZE

Tag: 0x0507 / 1287

Type: LONG

Style: LIST

Count: 1

Items: [0] 8192

LOW: 8192

HIGH: 8192

DEFAULT: 8192

CURRENT: 8192

Name: TAG_COMPRESSION

Tag: 0x0103 / 259

Type: LONG

Style: LIST

Count: 1

Items: [0] 1 TAG_COMPRESSION_NONE

LOW: 1 TAG_COMPRESSION_NONE

HIGH: 1 TAG_COMPRESSION_NONE

DEFAULT: 1 TAG_COMPRESSION_NONE

CURRENT: 1 TAG_COMPRESSION_NONE

Name: TAG_CONFIG_1

Tag: 0x0601 / 1537

Type: ASCII

Style: ANY

Value: Bowe Bell and Howell 1400 on STI - 0013

DEFAULT: Bowe Bell and Howell 1400 on STI - 0013

CURRENT: Bowe Bell and Howell 1400 on STI - 0013

Name: TAG_CONFIG_2

Tag: 0x0602 / 1538

Type: ASCII

Style: LIST

Count: 17

Items: [0] A4 - 210 x 297 mm

        [1] A5 - 148 x 210 mm

        [2] A6 - 105 x 148 mm

        [3] A7 - 74 x 105 mm

        [4] A8 - 52 x 74 mm

        [5] B5 (ISO) - 176 x 250 mm

        [6] B5 (JIS) - 182 x 257 mm

        [7] B6 (ISO) - 125 x 176 mm

Name: TAG_JPEGQFACTOR

Tag: 0x138A / 5002

Type: LONG

Style: RANGE

LOW: 1

HIGH: 100

STEP: 1

DEFAULT: 75

CURRENT: 75

Name: TAG_KFACTOR

Tag: 0x050C / 1292

Type: LONG

Style: LIST

Count: 1

Items: [0] 4

LOW: 4

HIGH: 4

DEFAULT: 4

CURRENT: 4

Name: TAG_LASTPAGE_ENDORSER

Tag: 0x13DE / 5086

Type: ASCII

Style: ANY

Value:

DEFAULT:

CURRENT:

Name: TAG_MANUALFEED

Tag: 0x1061 / 4193

Type: LONG

Style: LIST

Count: 3

Items: [0] 0 TAG_MANUALFEED_OFF

        [1] 1 TAG_MANUALFEED_ON

        [2] 2 TAG_MANUALFEED_BUTTON

LOW: 0 TAG_MANUALFEED_OFF

HIGH: 2 TAG_MANUALFEED_BUTTON

DEFAULT: 0 TAG_MANUALFEED_OFF

CURRENT: 0 TAG_MANUALFEED_OFF

----

[8] B6 (JIS) - 128 x 182 mm
[9] B7 (ISO) - 88 x 125 mm
[10] B7 (JIS) - 91 x 128 mm
[11] B8 (ISO) - 62 x 88 mm
[12] B8 (JIS) - 64 x 91 mm
[13] Business Card - 55 x 91 mm
[14] Legal - 8.5 x 14 in
[15] Letter - 8.5 x 11 in
[16] Scanner's Maximum
DEFAULT: Letter - 8.5 x 11 in
CURRENT: Letter - 8.5 x 11 in

Name: TAG_CONFIGURATIONS
Tag: 0x0600 / 1536
Type: ASCII
Style: LIST
Count: 1
Items: [0] Select Device
DEFAULT: Select Device
CURRENT: Select Device

Name: TAG_CONTEXTLINES
Tag: 0x0720 / 1824
Type: LONG
Style: LIST
Count: 1
Items: [0] 3
LOW: 3
HIGH: 3
DEFAULT: 3
CURRENT: 3

Name: TAG_CONTRAST
Tag: 0x0501 / 1281
Type: LONG
Style: RANGE
LOW: 1
HIGH: 255
STEP: 1
DEFAULT: 128
CURRENT: 128

Name: TAG_MANUALTIMEOUT
Tag: 0x06A6 / 1702
Type: LONG
Style: LIST
Count: 1
Items: [0] 300
LOW: 300
HIGH: 300
DEFAULT: 300
CURRENT: 300

Name: TAG_MAXPAGES
Tag: 0x0504 / 1284
Type: LONG
Style: LIST
Count: 1
Items: [0] 1000
LOW: 1000
HIGH: 1000
DEFAULT: 1000
CURRENT: 1000

Name: TAG_MAXTIME
Tag: 0x0505 / 1285
Type: LONG
Style: LIST
Count: 1
Items: [0] 3
LOW: 3
HIGH: 3
DEFAULT: 3
CURRENT: 3

Name: TAG_MODELIMIT
Tag: 0x14FB / 5371
Type: LONG
Style: ANY
Value: 0
DEFAULT: 0
CURRENT: 0

Name: TAG_CONTROLSHEET

Tag: 0x1060 / 4192

Type: LONG

Style: LIST

Count: 1

Items: [0] 0 TAG_CONTROLSHEET_OFF

LOW: 0 TAG_CONTROLSHEET_OFF

HIGH: 0 TAG_CONTROLSHEET_OFF

DEFAULT: 0 TAG_CONTROLSHEET_OFF

CURRENT: 0 TAG_CONTROLSHEET_OFF

Name: TAG_CUSTOMFILTER_CONFIGURE

Tag: 0x1522 / 5410

Type: LONG

Style: LIST

Count: 2

Items: [0] 0

          [1] 1

LOW: 0

HIGH: 1

DEFAULT: 0

CURRENT: 0

Name: TAG_CUSTOMFILTER_ENABLED

Tag: 0x1521 / 5409

Type: LONG

Style: LIST

Count: 2

Items: [0] 0

          [1] 1

LOW: 0

HIGH: 1

DEFAULT: 0

CURRENT: 0

Name: TAG_CUSTOMFILTER_PARAMETERS

Tag: 0x1520 / 5408

Type: ASCII

Style: ANY

Value:

DEFAULT:

CURRENT:

Name: TAG_MORE_SETTINGS

Tag: 0x0512 / 1298

Type: LONG

Style: LIST

Count: 1

Items: [0] 1

LOW: 1

HIGH: 1

DEFAULT: 1

CURRENT: 1

Name: TAG_NOPAGE_TIMEOUT

Tag: 0x14F1 / 5361

Type: LONG

Style: RANGE

LOW: 100

HIGH: 32000

STEP: 1

DEFAULT: 250

CURRENT: 250

Name: TAG_PAGESIZE

Tag: 0x050E / 1294

Type: ASCII

Style: LIST

Count: 17

Items: [0] A4 - 210 x 297 mm

          [1] A5 - 148 x 210 mm

          [2] A6 - 105 x 148 mm

          [3] A7 - 74 x 105 mm

          [4] A8 - 52 x 74 mm

          [5] B5 (ISO) - 176 x 250 mm

          [6] B5 (JIS) - 182 x 257 mm

          [7] B6 (ISO) - 125 x 176 mm

          [8] B6 (JIS) - 128 x 182 mm

          [9] B7 (ISO) - 88 x 125 mm

          [10] B7 (JIS) - 91 x 128 mm

          [11] B8 (ISO) - 62 x 88 mm

          [12] B8 (JIS) - 64 x 91 mm

          [13] Business Card - 55 x 91 mm

          [14] Legal - 8.5 x 14 in

          [15] Letter - 8.5 x 11 in

          [16] Scanner's Maximum

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Name: TAG_DATAORIENTATION

Tag: 0x0114 / 276

Type: LONG

Style: LIST

Count: 2

Items: [0] 1 TAG_DATAORIENTATION_PORT

     [1] 2 TAG_DATAORIENTATION_LAND

LOW: 1 TAG_DATAORIENTATION_PORT

HIGH: 2 TAG_DATAORIENTATION_LAND

DEFAULT: 1 TAG_DATAORIENTATION_PORT

CURRENT: 1 TAG_DATAORIENTATION_PORT

Name: TAG_DESKEW_STOP

Tag: 0x1529 / 5417

Type: LONG

Style: LIST

Count: 1

Items: [0] 0 TAG_DESKEW_STOP_OFF

LOW: 0 TAG_DESKEW_STOP_OFF

HIGH: 0 TAG_DESKEW_STOP_OFF

DEFAULT: 0 TAG_DESKEW_STOP_OFF

CURRENT: 0 TAG_DESKEW_STOP_OFF

Name: TAG_DETECTJOBSEP

Tag: 0x05A7 / 1447

Type: LONG

Style: LIST

Count: 2

Items: [0] 0 TAG_DETECTJOBSEP_OFF

     [1] 1 TAG_DETECTJOBSEP_NOSTOP_NOEJECT

LOW: 0 TAG_DETECTJOBSEP_OFF

HIGH: 1 TAG_DETECTJOBSEP_NOSTOP_NOEJECT

DEFAULT: 0 TAG_DETECTJOBSEP_OFF

CURRENT: 0 TAG_DETECTJOBSEP_OFF

Name: TAG_DETECTPAGESIZE

Tag: 0x057B / 1403

Type: LONG

Style: LIST

Count: 2

Items: [0] 0 TAG_DETECTPAGESIZE_OFF

     [1] 1 TAG_DETECTPAGESIZE_ON

LOW: 0 TAG_DETECTPAGESIZE_OFF

DEFAULT: Letter - 8.5 x 11 in

CURRENT: Letter - 8.5 x 11 in

Name: TAG_PHOTOMETRICINTERPRETATION

Tag: 0x0106 / 262

Type: LONG

Style: LIST

Count: 1

Items: [0] 0 TAG_PHOTOMETRIC_WHITE0

LOW: 0 TAG_PHOTOMETRIC_WHITE0

HIGH: 0 TAG_PHOTOMETRIC_WHITE0

DEFAULT: 0 TAG_PHOTOMETRIC_WHITE0

CURRENT: 0 TAG_PHOTOMETRIC_WHITE0

Name: TAG_PLANARCONFIGURATION

Tag: 0x011C / 284

Type: LONG

Style: LIST

Count: 1

Items: [0] 1

LOW: 1

HIGH: 1

DEFAULT: 1

CURRENT: 1

Name: TAG_PREVIEW_CALLBACK

Tag: 0x0691 / 1681

Type: LONG

Style: ANY

Value: 0

DEFAULT: 0

CURRENT: 0

Name: TAG_PREVIEW_MODE

Tag: 0x1523 / 5411

Type: LONG

Style: LIST

Count: 1

Items: [0] 0

LOW: 0

HIGH: 0

DEFAULT: 0

CURRENT: 0

HIGH: 1 TAG_DETECTPAGESIZE_ON

DEFAULT: 0 TAG_DETECTPAGESIZE_OFF

CURRENT: 0 TAG_DETECTPAGESIZE_OFF

Name: TAG_DITHER

Tag: 0x0500 / 1280

Type: ASCII

Style: LIST

Count: 1

Items: [0] None

DEFAULT: None

CURRENT: None

Name: TAG_DROPOUT

Tag: 0x0582 / 1410

Type: LONG

Style: LIST

Count: 4

Items: [0] 0 TAG_DROPOUT_NONE

       [1] 1 TAG_DROPOUT_RED

       [2] 2 TAG_DROPOUT_GREEN

       [3] 3 TAG_DROPOUT_BLUE

LOW: 0 TAG_DROPOUT_NONE

HIGH: 3 TAG_DROPOUT_BLUE

DEFAULT: 0 TAG_DROPOUT_NONE

CURRENT: 0 TAG_DROPOUT_NONE

Name: TAG_EMPHASIS

Tag: 0x0510 / 1296

Type: LONG

Style: LIST

Count: 1

Items: [0] 2 TAG_EMPHASIS_MEDIUM

LOW: 2 TAG_EMPHASIS_MEDIUM

HIGH: 2 TAG_EMPHASIS_MEDIUM

DEFAULT: 2 TAG_EMPHASIS_MEDIUM

CURRENT: 2 TAG_EMPHASIS_MEDIUM

Name: TAG_ENDORSER_FONT

Tag: 0x1068 / 4200

Type: ASCII

Style: LIST

Count: 1

Name: TAG_PREVIEW_RES

Tag: 0x14FD / 5373

Type: RATIONAL

Style: LIST

Count: 1

Items: [0] 200

LOW: 200

HIGH: 200

DEFAULT: 200

CURRENT: 200

Name: TAG_RESUNIT

Tag: 0x0128 / 296

Type: LONG

Style: LIST

Count: 4

Items: [0] 0

       [1] 1 TAG_RESUNIT_NONE

       [2] 2 TAG_RESUNIT_INCH

       [3] 3 TAG_RESUNIT_CENTIMETER

LOW: 0

HIGH: 3 TAG_RESUNIT_CENTIMETER

DEFAULT: 1 TAG_RESUNIT_NONE

CURRENT: 1 TAG_RESUNIT_NONE

Name: TAG_SAMPLESPERPIXEL

Tag: 0x0115 / 277

Type: LONG

Style: LIST

Count: 2

Items: [0] 1

       [1] 3

LOW: 1

HIGH: 3

DEFAULT: 1

CURRENT: 1

Name: TAG_SCANAHEAD

Tag: 0x050D / 1293

Type: LONG

Style: LIST

Count: 2

Items: [0] 0 TAG_SCANAHEAD_NO

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Items: [0]

DEFAULT:

CURRENT:

Name: TAG_ENDORSER_INCSTART

Tag: 0x0584 / 1412

Type: LONG

Style: LIST

Count: 1

Items: [0] 1

LOW: 1

HIGH: 1

DEFAULT: 1

CURRENT: 1

Name: TAG_ENDORSER_INCSTEP

Tag: 0x1066 / 4198

Type: LONG

Style: LIST

Count: 1

Items: [0] 1

LOW: 1

HIGH: 1

DEFAULT: 1

CURRENT: 1

Name: TAG_ENDORSER_ORIENTATION

Tag: 0x1067 / 4199

Type: LONG

Style: LIST

Count: 1

Items: [0] 2 TAG_ENDORSER_ORIENTATION_LAND

LOW: 2 TAG_ENDORSER_ORIENTATION_LAND

HIGH: 2 TAG_ENDORSER_ORIENTATION_LAND

DEFAULT: 2 TAG_ENDORSER_ORIENTATION_LAND

CURRENT: 2 TAG_ENDORSER_ORIENTATION_LAND

Name: TAG_ENDORSER_PRINTTYPE

Tag: 0x106C / 4204

Type: LONG

Style: LIST

Count: 2

Items: [0] 0 TAG_ENDORSER_PRINT_NOTHING

[1] 1 TAG_SCANAHEAD_YES

LOW: 0 TAG_SCANAHEAD_NO

HIGH: 1 TAG_SCANAHEAD_YES

DEFAULT: 0 TAG_SCANAHEAD_NO

CURRENT: 0 TAG_SCANAHEAD_NO

Name: TAG_SCANAHEAD_MAXPAGES

Tag: 0x057C / 1404

Type: LONG

Style: RANGE

LOW: 0

HIGH: 1000

STEP: 1

DEFAULT: 0

CURRENT: 0

Name: TAG_SCANAHEAD_PAGES

Tag: 0x0515 / 1301

Type: LONG

Style: ANY

Value: 0

DEFAULT: 0

CURRENT: 0

Name: TAG_SCANBITSPERPIXEL

Tag: 0x1524 / 5412

Type: LONG

Style: LIST

Count: 1

Items: [0] 1

LOW: 1

HIGH: 1

DEFAULT: 1

CURRENT: 1

Name: TAG_SCANNERID

Tag: 0x050A / 1290

Type: ASCII

Style: ANY

Value: Bowe Bell and Howell 1400

DEFAULT: Bowe Bell and Howell 1400

CURRENT: Bowe Bell and Howell 1400

```
      [1] 1  TAG_ENDORSER_PRINT_CUSTOM          Name:    TAG_SCANNINGSPEED

LOW:     0  TAG_ENDORSER_PRINT_NOTHING          Tag:     0x0580 / 1408

HIGH:    1  TAG_ENDORSER_PRINT_CUSTOM           Type:    LONG

DEFAULT: 0  TAG_ENDORSER_PRINT_NOTHING          Style:   LIST

CURRENT: 0  TAG_ENDORSER_PRINT_NOTHING          Count:   1

-----------------------------------------       Items:   [0] 1  TAG_SCANNINGSPEED_FAST

Name:    TAG_ENDORSER_SIDE                       LOW:     1  TAG_SCANNINGSPEED_FAST

Tag:     0x0477 / 1143                           HIGH:    1  TAG_SCANNINGSPEED_FAST

Type:    LONG                                    DEFAULT: 1  TAG_SCANNINGSPEED_FAST

Style:   LIST                                    CURRENT: 1  TAG_SCANNINGSPEED_FAST

Count:   1                                       -----------------------------------------

Items:   [0] 0  TAG_ENDORSER_SIDE_FRONT         Name:    TAG_SCANORIENTATION

LOW:     0  TAG_ENDORSER_SIDE_FRONT             Tag:     0x0113 / 275

HIGH:    0  TAG_ENDORSER_SIDE_FRONT             Type:    LONG

DEFAULT: 0  TAG_ENDORSER_SIDE_FRONT             Style:   LIST

CURRENT: 0  TAG_ENDORSER_SIDE_FRONT             Count:   2

-----------------------------------------       Items:   [0] 1  TAG_SCANORIENTATION_PORT

Name:    TAG_ENDORSER_STRING                            [1] 3  TAG_SCANORIENTATION_180

Tag:     0x0583 / 1411                           LOW:     1  TAG_SCANORIENTATION_PORT

Type:    ASCII                                   HIGH:    3  TAG_SCANORIENTATION_180

Style:   ANY                                     DEFAULT: 1  TAG_SCANORIENTATION_PORT

Value:                                           CURRENT: 1  TAG_SCANORIENTATION_PORT

DEFAULT:                                         -----------------------------------------

CURRENT:                                         Name:    TAG_SCANTYPE

-----------------------------------------       Tag:     0x0514 / 1300

Name:    TAG_ENDORSER_TYPE                       Type:    LONG

Tag:     0x0476 / 1142                           Style:   LIST

Type:    LONG                                    Count:   3

Style:   LIST                                    Items:   [0] 0  TAG_SCANTYPE_AUTOMATIC

Count:   1                                              [1] 3  TAG_SCANTYPE_FEEDER

Items:   [0] 0  TAG_ENDORSER_PRE_SCAN                   [2] 4  TAG_SCANTYPE_DUPLEX

LOW:     0  TAG_ENDORSER_PRE_SCAN               LOW:     0  TAG_SCANTYPE_AUTOMATIC

HIGH:    0  TAG_ENDORSER_PRE_SCAN               HIGH:    4  TAG_SCANTYPE_DUPLEX

DEFAULT: 0  TAG_ENDORSER_PRE_SCAN               DEFAULT: 0  TAG_SCANTYPE_AUTOMATIC

CURRENT: 0  TAG_ENDORSER_PRE_SCAN               CURRENT: 0  TAG_SCANTYPE_AUTOMATIC

-----------------------------------------       -----------------------------------------

Name:    TAG_ENDORSER_YOFFSET                    Name:    TAG_SOFTWARE_FEATURES

Tag:     0x0585 / 1413                           Tag:     0x14FF / 5375

Type:    LONG                                    Type:    LONG

Style:   LIST                                    Style:   LIST

Count:   1                                       Count:   1

Items:   [0] 0                                   Items:   [0] 3
                                                 TAG_SOFTWARE_FEATURES_THRESHOLD
LOW:     0
```

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HIGH:　 0

DEFAULT: 0

CURRENT: 0

Name:　 TAG_ENHANCED

Tag:　 0x0722 / 1826

Type:　 LONG

Style:　 LIST

Count:　 1

Items:　 [0] 0

LOW:　　 0

HIGH:　 0

DEFAULT: 0

CURRENT: 0

Name:　 TAG_EXTENDED_DIALOG

Tag:　 0x0690 / 1680

Type:　 LONG

Style:　 LIST

Count:　 1

Items:　 [0] 1

LOW:　　 1

HIGH:　 1

DEFAULT: 1

CURRENT: 1

Name:　 TAG_FEEDER

Tag:　 0x0503 / 1283

Type:　 LONG

Style:　 LIST

Count:　 1

Items:　 [0] 136904709

LOW:　　 136904709

HIGH:　　 136904709

DEFAULT: 136904709

CURRENT: 136904709

Name:　 TAG_FEEDER_DOUBLEDETECT

Tag:　 0x13B8 / 5048

Type:　 LONG

Style:　 LIST

Count:　 2

Items:　 [0] 0

LOW:　　 3
TAG_SOFTWARE_FEATURES_THRESHOLD

HIGH:　 3
TAG_SOFTWARE_FEATURES_THRESHOLD

DEFAULT: 3
TAG_SOFTWARE_FEATURES_THRESHOLD

CURRENT: 3
TAG_SOFTWARE_FEATURES_THRESHOLD

Name:　 TAG_SPLITLONGPAPER

Tag:　 0x152A / 5418

Type:　 LONG

Style:　 LIST

Count:　 2

Items:　 [0] 0 TAG_SPLITLONGPAPER_OFF

　　　 [1] 1 TAG_SPLITLONGPAPER_ON

LOW:　　 0 TAG_SPLITLONGPAPER_OFF

HIGH:　 1 TAG_SPLITLONGPAPER_ON

DEFAULT: 0 TAG_SPLITLONGPAPER_OFF

CURRENT: 0 TAG_SPLITLONGPAPER_OFF

Name:　 TAG_STOP_MODE

Tag:　 0x14B1 / 5297

Type:　 LONG

Style:　 LIST

Count:　 1

Items:　 [0] 0

LOW:　　 0

HIGH:　 0

DEFAULT: 0

CURRENT: 0

Name:　 TAG_SUBWINDOW

Tag:　 0x06AD / 1709

Type:　 LONG

Style:　 LIST

Count:　 1

Items:　 [0] 0

LOW:　　 0

HIGH:　 0

DEFAULT: 0

CURRENT: 0

Name:　 TAG_SUBWINDOW_COUNT_FRONT

```
      [1] 1                                    Tag:    0x06AF / 1711
LOW:    0                                       Type:   LONG
HIGH:   1                                       Style:  RANGE
DEFAULT: 0                                      LOW:    0
CURRENT: 0                                      HIGH:   0
-----------------------------------------       STEP:   1
Name:   TAG_FEEDEROFFSET                         DEFAULT: 0
Tag:    0x06A7 / 1703                            CURRENT: 0
Type:   LONG                                     -----------------------------------------
Style:  LIST                                     Name:   TAG_TWAIN_SCANMODE
Count:  1                                        Tag:    0x14F3 / 5363
Items:  [0] 0                                    Type:   LONG
LOW:    0                                        Style:  LIST
HIGH:   0                                        Count:  2
DEFAULT: 0                                       Items:  [0] 0 TAG_TWAIN_SCANMODE_BATCH
CURRENT: 0                                              [1] 1 TAG_TWAIN_SCANMODE_PAGE
-----------------------------------------       LOW:    0 TAG_TWAIN_SCANMODE_BATCH
Name:   TAG_FILLORDER                            HIGH:   1 TAG_TWAIN_SCANMODE_PAGE
Tag:    0x010A / 266                             DEFAULT: 0 TAG_TWAIN_SCANMODE_BATCH
Type:   LONG                                     CURRENT: 0 TAG_TWAIN_SCANMODE_BATCH
Style:  LIST                                     -----------------------------------------
Count:  1                                        Name:   TAG_USEOLDAFFECTS
Items:  [0] 1 TAG_FILLORDER_MSBLEFT             Tag:    0x14FE / 5374
LOW:    1 TAG_FILLORDER_MSBLEFT                  Type:   LONG
HIGH:   1 TAG_FILLORDER_MSBLEFT                  Style:  LIST
DEFAULT: 1 TAG_FILLORDER_MSBLEFT                 Count:  2
CURRENT: 1 TAG_FILLORDER_MSBLEFT                 Items:  [0] 0 TAG_USEOLDAFFECTS_OFF
-----------------------------------------              [1] 1 TAG_USEOLDAFFECTS_ON
Name:   TAG_FILM_POLARITY                        LOW:    0 TAG_USEOLDAFFECTS_OFF
Tag:    0x13DC / 5084                            HIGH:   1 TAG_USEOLDAFFECTS_ON
Type:   LONG                                     DEFAULT: 1 TAG_USEOLDAFFECTS_ON
Style:  LIST                                     CURRENT: 1 TAG_USEOLDAFFECTS_ON
Count:  2                                        -----------------------------------------
Items:  [0] 0 TAG_FILM_POLARITY_NEG             Name:   TAG_WINDOW
       [1] 1 TAG_FILM_POLARITY_POS              Tag:    0x069A / 1690
LOW:    0 TAG_FILM_POLARITY_NEG                  Type:   LONG
HIGH:   1 TAG_FILM_POLARITY_POS                  Style:  RANGE
DEFAULT: 0 TAG_FILM_POLARITY_NEG                 LOW:    -1
CURRENT: 0 TAG_FILM_POLARITY_NEG                 HIGH:   1
-----------------------------------------       STEP:   1
Name:   TAG_FILTER_DESKEW                        DEFAULT: 0
Tag:    0x1050 / 4176                            CURRENT: 0
Type:   LONG                                     -----------------------------------------
```

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Style: LIST

Count: 2

Items: [0] 0 TAG_FILTER_DESKEW_OFF

     [1] 1 TAG_FILTER_DESKEW_NORMAL

LOW: 0 TAG_FILTER_DESKEW_OFF

HIGH: 1 TAG_FILTER_DESKEW_NORMAL

DEFAULT: 0 TAG_FILTER_DESKEW_OFF

CURRENT: 0 TAG_FILTER_DESKEW_OFF

Name: TAG_FILTER_DESKEW_DIRECTION

Tag: 0x1074 / 4212

Type: LONG

Style: LIST

Count: 1

Items: [0] 0
TAG_FILTER_DESKEW_DIRECTION_HORIZONTAL

LOW: 0
TAG_FILTER_DESKEW_DIRECTION_HORIZONTAL

HIGH: 0
TAG_FILTER_DESKEW_DIRECTION_HORIZONTAL

DEFAULT: 0
TAG_FILTER_DESKEW_DIRECTION_HORIZONTAL

CURRENT: 0
TAG_FILTER_DESKEW_DIRECTION_HORIZONTAL

Name: TAG_FILTER_DESKEW_FILLCOLOR

Tag: 0x1070 / 4208

Type: LONG

Style: LIST

Count: 1

Items: [0] 0
TAG_FILTER_DESKEW_FILLCOLOR_WHITE

LOW: 0 TAG_FILTER_DESKEW_FILLCOLOR_WHITE

HIGH: 0 TAG_FILTER_DESKEW_FILLCOLOR_WHITE

DEFAULT: 0
TAG_FILTER_DESKEW_FILLCOLOR_WHITE

CURRENT: 0
TAG_FILTER_DESKEW_FILLCOLOR_WHITE

Name: TAG_FILTER_SHADING

Tag: 0x105C / 4188

Type: LONG

Style: LIST

Count: 2

Items: [0] 0 TAG_FILTER_SHADING_OFF

     [1] 1 TAG_FILTER_SHADING_ON

Name: TAG_WINDOW_COUNT_BACK

Tag: 0x06AB / 1707

Type: LONG

Style: RANGE

LOW: 1

HIGH: 1

STEP: 1

DEFAULT: 1

CURRENT: 1

Name: TAG_WINDOW_COUNT_FRONT

Tag: 0x06AC / 1708

Type: LONG

Style: RANGE

LOW: 1

HIGH: 1

STEP: 1

DEFAULT: 1

CURRENT: 1

Name: TAG_XPOSITION

Tag: 0x011E / 286

Type: LONG

Style: RANGE

LOW: 0

HIGH: 1664

STEP: 16

DEFAULT: 0

CURRENT: 0

Name: TAG_XRESOLUTION

Tag: 0x011A / 282

Type: RATIONAL

Style: RANGE

LOW: 100

HIGH: 600

STEP: 10

DEFAULT: 200

CURRENT: 200

Name: TAG_YIELDPROC

Tag: 0x0513 / 1299

Type: LONG

LOW: 0 TAG_FILTER_SHADING_OFF

HIGH: 1 TAG_FILTER_SHADING_ON

DEFAULT: 0 TAG_FILTER_SHADING_OFF

CURRENT: 0 TAG_FILTER_SHADING_OFF

Name: TAG_GAMMA

Tag: 0x050F / 1295

Type: LONG

Style: LIST

Count: 1

Items: [0] 7 TAG_GAMMA_CRT

LOW: 7 TAG_GAMMA_CRT

HIGH: 7 TAG_GAMMA_CRT

DEFAULT: 7 TAG_GAMMA_CRT

CURRENT: 7 TAG_GAMMA_CRT

Name: TAG_GAMMA_LENGTH4

Tag: 0x055B / 1371

Type: LONG

Style: LIST

Count: 1

Items: [0] 256

LOW: 256

Style: ANY

Value: 0

DEFAULT: 0

CURRENT: 0

Name: TAG_YPOSITION

Tag: 0x011F / 287

Type: LONG

Style: RANGE

LOW: 0

HIGH: 2168

STEP: 1

DEFAULT: 0

CURRENT: 0

Name: TAG_YRESOLUTION

Tag: 0x011B / 283

Type: RATIONAL

Style: RANGE

LOW: 100

HIGH: 600

STEP: 10

DEFAULT: 200

CURRENT: 200

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