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Impact+OCR 1.2 Readme

Welcome to the Impact+OCR (Optical Character Recognition) application, a complete software and hardware application to solve your machine vision OCR needs. This is the most complete product with the same software used throughout. Impact reduces your cost of ownership and provides you with the flexibility that today's quickly changing manufacturing environment requires.

This Readme file describes the Configuration Interface software and Operator Interface software, along with documentation installed on the client PC by IMPACT+OCR.exe. See Installation Instructions.

The Configuration Interface software is used to configure the Datalogic Impact+OCR recipes (a combination of tools for inspections) and to view the data collected from them. The Operator Interface software is used to view the inspection results and interact with the camera.

Check our website at http://www.datalogic.com/ for possible releases newer than this release and for information on other Impact software and hardware products.

This document is divided into the following sections:

SOFTWARE AND DOCUMENTATION

Shortcuts to the software and documentation listed below are in your computer's Start folder. Select Start, All Programs, Impact+OCR.

Software

Configuration Interface Software

You can

- Configure your Camera
- Program your machine vision OCR and Code Reader inspections

Operator Interface Software

You can

- View inspection results
- Load and unload recipes

Documentation

Impact+OCR Readme

This file describes the software and documentation in IMPACT+OCR.exe.

Impact+OCR Reference Guide

This manual documents how to configure, program, control, and monitor Impact+OCR.

QuickStart Guide

This manual describes the Impact+OCR hardware, including the inputs and outputs available to integrate your system into a production line.

SYSTEM REQUIREMENTS

System Requirements for the Application

The application will only connect to a Datalogic P19 camera with the Impact+OCR firmware installed on it.

System Requirements for the Client Computer

- Intel®, AMD®, or VIA® x86-class processor -minimum 1.2 GHz; 64-bit processors are supported with Windows Vista, Windows 7, Windows 8.1, and Windows 10
- Microsoft® Windows Vista, Windows 7, Windows 8.1, or Windows 10
- 1 GB or more of RAM, 2 GB recommended
- 800MB or more of available hard disk space
- 10/100Mbps Ethernet connection
- Monitor display resolution of 1024 x 768 or greater (1920 x 1080 recommended)
- A PDF reader is required to read the software and hardware manuals

ENHANCEMENTS IN THIS RELEASE

The key enhancement in this release includes the addition of two input commands.

1. **New commands were added to the RS232 and TCP/IP inputs.**

A new "set" command will set multiple Verify strings and the new "jobload" command will load a recipe. (40160)

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BUGS FIXED IN THIS RELEASE

These bugs were fixed in this release.

1. **With output 3 configured to ALIVE, the output does not turn on until after the first trigger.**
   With Output 3 configured to ALIVE, the output will now turn on when the device is ready. (105220)
2. **Auto saving of images could not save without creating sub-folder (IP_Address).**
   Image saving now has selection to save images without creating a sub-folder. (106857)

KNOWN ISSUES

.NET 2.0 is required

- You must have Windows .NET 2.0 or greater installed on Windows XP. It is required so that the camera's new IP Address will be displayed when it is changed in the Configuration UI.

Configuration UI

- You should avoid using the key combination Ctl-X (Control-X) while defining Regions of Interest (ROI) in the Reading Tools screen. You can accidentally delete the ROI. (28484)
- If the camera trigger rate exceeds the interface's ability to process the image, the connection to the camera will be lost. To recover, decrease the trigger rate. (22265)

INSTALLATION INSTRUCTIONS

Operating System Type

There is only a 32-bit version of the Impact+OCR installation program (IMPACT+OCR.exe). It will install on both 32-bit and 64-bit operating systems.

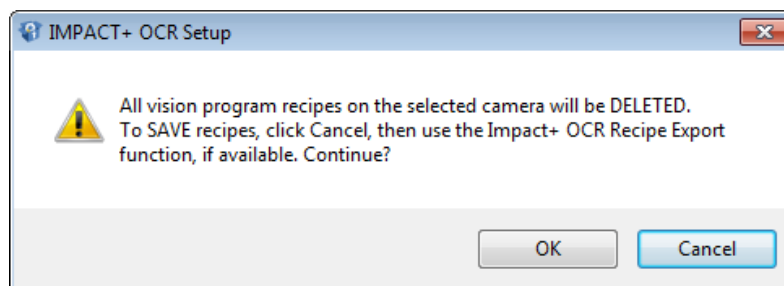## Installing the Impact+OCR Application (PC)

- You may need to turn off automatic virus checking during install if it causes installation problems.
- You must have administrative privileges to install Impact software.
- You can click Cancel to quit the installation at any time during the installation.

To install the Impact+OCR Application software:

1. Double click the installation executable file IMPACT+OCRSetup_n_n_n.exe and the installation program should start. (The install version n_n_n is embedded in the setup file name.)

IMPORTANT: When you start the installation, the following screen is displayed. The installation replaces all the recipes on the camera or Emulator with new, blank recipes.

IMPACT+ OCR Setup

⚠ All vision program recipes on the selected camera will be DELETED. To SAVE recipes, click Cancel, then use the Impact+ OCR Recipe Export function, if available. Continue?

[OK] [Cancel]

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If there are recipes on the camera or Emulator that you want to save, export them:

  A. Click Cancel.
  B. Start the Configuration UI.
  C. Select Home, then use the Export Recipe function to copy the recipes to a location on your PC.

If there are no recipes on the camera or Emulator that you want to save:

  A. Click OK.
  2. You must click the I Agree button to accept the License Agreement and continue with the installation.
  3. The Destination Folder dialog is displayed. Select the default directory for the Impact+OCR software, click Browse to choose the desired directory, or type in the directory name. Click Next when you are done.
  4. If the software version you are installing already exists, you will be asked to confirm the replacement.
  5. If you want to install Impact+OCR firmware on a camera, select the checkbox labeled "Camera," then click Install.
  6. The installation progress dialog is displayed.
  7. When the Choose Vision Device(s) dialog is displayed, select one or more devices from the list of devices. Only P19 cameras are supported. Click Refresh to update the device list. If the camera does not appear in the list, check its power and Ethernet connections. (The default IP address for each camera is 192.168.0.128 when it is shipped.)
      Click OK or Cancel when you are done.
  A. If you click Cancel, no camera software is installed.
  B. If you click OK, the camera installation dialog is displayed.

   IMPORTANT: Do NOT disconnect power from the camera during the software install.

  8. When the installation has completed, click Finish.

Refer to the Impact+OCR Reference Guide for more details about using the Configuration UI and the Operator UI.

CONFIGURE ANTIVIRUS SOFTWARE

Antivirus and anti-malware settings

Restrictive settings in antivirus or anti-malware software on the PC can block communication ports that Impact+OCR uses. There are several symptoms of this problem, including one or more of the following:

  • The Impact+OCR software installation fails
  • An error (Error registering online callback) is displayed when you try to connect to the camera
  • The camera is not displayed in the Device Connection list
  • You may be able to resolve some of these problems by adjusting the antivirus or anti- malware settings to work well with Impact+OCR.

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GENERAL NOTES ABOUT THIS RELEASE

A PDF reader is required to open Impact+OCR software PDF manuals and online help

For your convenience, you may install an Open Source PDF reader or Adobe Reader. Datalogic Automation, Inc. is not responsible for the performance or reliability of any PDF reader software you install. For support, refer to the reader documentation.

To run Impact+OCR software, you must have file modification permission.

You must have permission to modify files in the installation directory.