
Intellect 1.2.3 Release Notes

Updated 17 April 2007

The following list contains the most important additions/fixes for the intellect 1.2.3 software. If you find additional issues, please report them to: support@dvtsensors.com

Additions

- System security settings are enhanced to include Coordinate systems, register tags, and global models.
- Cameras with no names are also displayed in network neighborhood.

Fixes

- Script does not crash with Break statement or due to large script size.
- Composite shape includes properly selected areas.
- Record image to PC does not stop by itself.
- Memory usage by Defect Detection is improved.
- Blob count tool shows blobs in selection page.
- Arc shape is corrected to show correct sweep, rotation angle, and size.
- Angle offset is corrected in arc tools.
- OCR tool times out properly.
- UI does not crash when disconnecting from connection window.
- Script updates second variable in statistics tool.
- DataLink can output long strings.
- Circle Fit tool can accommodate large radius.
- Statistics tool can allocate large sample sizes.
- Bead inspection scan arcs are corrected.
- Defect Detection connectivity is corrected.
- Pattern match works in small search area.
- Blob ID tool can reference a Dilation filter.
- Feature count works along an arc shape.
- Pixel counting tool merges colors properly.
- Shape changes of a tool are more robust.
- Line fit tool does not offset when using gradient threshold.

Intellect 1.2.2 Release Notes

Updated 3 February 2006

The following list contains the most important additions/fixes for the intellect 1.2.2 software. If you find additional issues, please report them to: support@dvtsensors.com

Additions

- Folder security in a camera is enhanced.
- System gain is saved in the System file along with a camera identification number.
- Index.html is now the default web page served from a camera.

Fixes

- Large strings can be read from Registers.
- Improved camera crash broadcast and its detection by SmartLogger.
- Image numbers are checked when recording images.
- Label inspection has correct color markings.
- Inverted Physical I/O gets updated.
- Product description can have multiple lines.
- FOV balance filter in aggregate mode does not crash UI and does not calibrate itself automatically in each inspection.
- Emulator shows full image file name.
- Color identification sensor can reference a filter.
- Sensors do not move off image when a related transform is calibrated.
- OCR trains correctly when non-computed thresholds are used and minimum vertical spacing works as designed.
- User I/O dialog works in 120 DPI setting.
- Memory allocations in 510, 520, and 530 cameras are improved.

Intellect 1.2.1 Release Notes**Updated 17 November 2005**

The following list contains the most important additions/fixes for the intellect 1.2.1 software. If you find additional issues, please report them to: support@dvtsensors.com

Additions

- Image buffer in camera first checks for available RAM before setting it to a user selected value. Note that 544 and 544C cameras do not have enough RAM to adjust image buffers.
- OCR match string cannot be longer than 50 characters.

Fixes

- Result output timing is saved to file.
- Fixed font OCR can calibrate in a modified search region.
- Fixed font OCR can read smaller strings – less than 4 characters long.
- Trainable font OCR can train “failed characters only” and its image markings are corrected.
- Trainable fonts, blob and color models are saved to flash.
- Digital relearn of scaling works.
- Object Locate can delete all segments.
- Defect Detection does not have memory allocation problem.
- Circle Arc Fit sensors work near the edge of the image.
- Composite shapes are easier to edit.
- Partial image settings are saved.
- User security is improved.
- Bead Inspection works with manual scales.

- System file can be loaded from command line.
- Filters work on large LS images.
- Display in Windows 2000 does not flicker.