



DataVS2 1.4.3 release enhancements

DataVS2 Sensor

1. New Teach-In procedure

The procedure of acquiring a new reference image for the current running inspection has been changed. Now it is divided in two different phases: (1) Teach-in activation, (2) Teach-in execution. For more information see chapter #7 of the user manual.

2. OK and LENGTH result string parameters

Now the “OK” message and the string length data can be removed from the inspection result string.

3. Result Prologue and Epilogue Strings

The result prologue and epilogue strings that users can customize from Sensor Settings Window now are used for all messages sent over RS-232 interface (not only for the inspection result string).

All messages sent over Ethernet interface still have no prologue and <NUL> character as epilogue.

4. Inspection result String data formatting

Inspection result string sent by the sensor is now an ASCII string. Every character that cannot be represented in ASCII format is replaced by the “?” character.

5. 360° Defect Finder new parameter

In 360° Defect Finder tool a new parameter (*Considers Additional Contours*) has been added. When selected, the result score is calculated by considering also exceeding contours; when it is not selected the score is calculated by considering only missing contours. In previous versions exceeding contours were always considered.

6. Barcode tool result string

Barcode tool now returns in the inspection result string information of overall quality and character count for every decoded code.

DataVS2GUI

1. Compatibility with Windows O.S.

It is now possible to use DataVS2GUI under Windows Vista and Windows 7 even if the user is not an administrator of the system. However it is still necessary to be an administrator to install it.

2. Worst execution time in statistics panel

When the GUI is connected to a running sensor in statistics mode, it is now present also the information of the worst execution time of the current inspection.

3. Inspection name with “.” character

Saving inspections with a name that contains the “.” character is now possible.

4. Barcode tool character length maximum limit reduced to 200

In previous software releases, character length maximum limit was 1000, but the user could adjust the value only five by five. Now this maximum value has been reduced to 200, thus allowing the user to set every value.

5. Pixel per element Datamatrix property

In the Inspection Explorer panel of Datamatrix Reader tool the information about the p.p.e. (pixels per element) value has been added.



6. Two different output string previews

Now the inspection result string sent over RS-232 interface can be different from the one sent over Ethernet because of prologue and epilogue strings. So in the Expert tab of the output Control Panel there are now two output string previews (one for Serial, one for Ethernet).

7. Saving images settings, increased maximum number of images

The maximum number of images that could be saved on PC has been increased from 100 to 10000.

VSM

1. Display on condition

VSM is able to display images that comply with the condition specified during the inspection configuration (see user manual chapter #5). These images are saved into a queue of maximum ten elements according to a FIFO approach. Now the last image that complies with the condition is always saved into the first position of this queue.

2. Statistics panel

Statistics panel shows results using different scales (1,10,100). When the scale is different from 1, the value of the bars shown in statistics panel represents the average value of 10 or 100 inspections and their colour is red when there is at least an inspection failure.

3. Memory management, delete all inspections option

From the memory management panel of VSM is possible to move inspection from/to the monitor and delete inspections both on monitor and sensor. Now with the sensor option "Delete All" all inspections but the current running one are deleted.

