

Status:	Closed
Project:	HALCON
Component/s:	HLib -> OCR
Affects Version/s:	nightly-13.0
Fix Version/s:	13.0
Security Level:	Accessible by Reporter (The issue is accessible by MVTec employees and the reporter.)

Type:	Bug	Priority:	Minor
Reporter:	Michael Klostermann	Assignee:	Unassigned
Resolution:	Fixed	Votes:	0
Labels:	PlannedVAlteration4, VA		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original Estimate:	Not Specified		

Attachments:	 Source Image1.bmp		
Issue Links:	Relates relates to HA-10419 Significantly improve the OCR classif... Closed		
OTRS-ID:	1022462		
Customers:	PHOTON-TECH INSTRUMENTS CO., LTD.		
Release Note Status:	Not Needed		
Workaround:	Use SEMI MLP Font instead		
Affected Platforms:	All		

Description

This ticket is a result of an OTRS case where Tjark Nikolai suggested that it would be very important to have a good classification result of the Universal CNN classifier on a SEMI font.

Please note that the single reason why the current CNN font cannot read the SEMI font robustly is that it has not been trained with the special chars that are contained in the Font:: 9 4 6 8 X W Y

We should extend the Training Data with the SEMI font and this should fix this problem.

Please Note that other fonts like OCRA and OCRB or Pharma are not affected since they do not contain special chars like SEMI does.

See screenshots for details.

Comments

Comment by [Dustin Loewe](#) [15.09.2016]

This is not a bug according to the documentation, Solution Guide I: "The training of this CNN-based font is based on the characters used for 'Document', 'DotPrint', and 'Industrial'." Please remember to adjust the documentation and slides accordingly when this ticket is being done.

Comment by [David Sattlegger](#) [19.09.2016]

For details, see evaluation at <https://confluence.mvtec.com/display/EN/Evaluation+of+the+Universal+CNN+OCR+Classifier>

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