



AI-OCR PASSPORT

For FR80 Salmon AI, FM80 Salmon AI, and FM60 Cubera AI

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Please read the manual carefully before using the product and operate it according to the manual. It is advised that you keep this manual for future reference.

Do not disassemble the device or remove the seal label from the device; doing so will void the product warranty provided by Newland Europe BV.

All pictures in this manual are for reference only, and the actual product may differ.

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Risk Warning Regarding Unauthorized System Updates:

You should use the Newland-provided tool to update this product's system. Modifying system files by installing a third-party ROM system or using any cracking method may result in product malfunction or data loss and void your warranty.

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Revision History

Version	Description	Date
V1.0.0	Initial release.	November 24th, 2025

Note: This document is applicable to Newland scanners,NLS-FR80,NLS-FM80 and NLS-FM60,that support **the AI-OCR Passport recognition** feature.

Newland Passport OCR

Newland scanners support two OCR modes for Passport and ID card recognition: **Traditional OCR** and **AI-OCR**. AI-OCR Passport is powered by an AI-based algorithm, offering greater flexibility in reading angles, enhanced recognition accuracy, and improved adaptability compared to traditional OCR methods.

This document focuses on the configuration and usage of the **AI-OCR** function for Passport recognition using Newland scanners. (Note: This feature is supported on selected models only. For detailed model compatibility, please refer to the official website.)

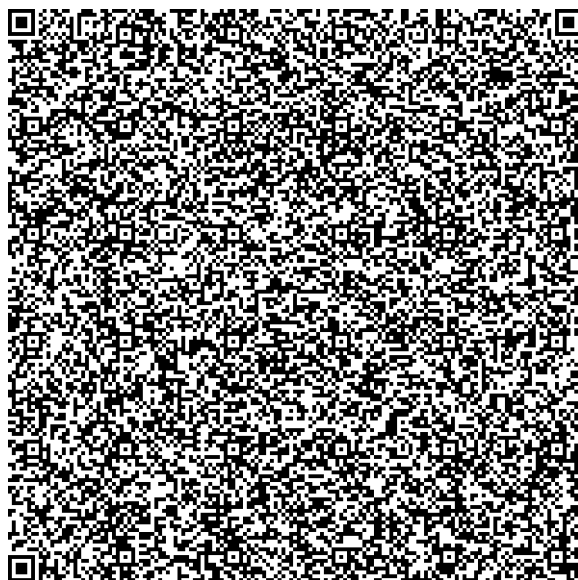
For information on configuring **Traditional Passport OCR**, please refer to the corresponding scanner's **User Guide** document.

AI-OCR_Passport

AI-OCR_Passport is the AI-powered version of Passport OCR, offering enhanced accuracy and wider scanning range compared to the traditional OCR method.

AI-OCR_Passport On

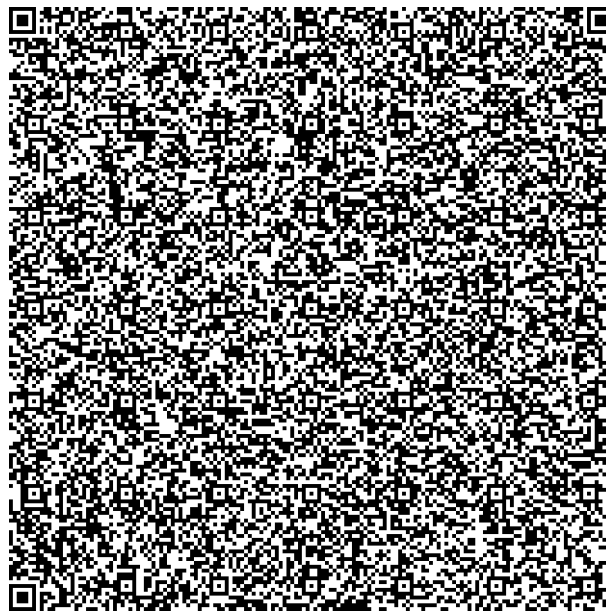
To enable AI-OCR Passport along with traditional barcode decoding, please scan the configuration barcode below. This will also disable traditional Passport OCR recognition function as well.



AI-OCR_Passport On

AI-OCR_Passport Off

To disable AI-OCR Passport function and restore the default traditional barcode decoding mode, please scan the configuration barcode below.



AI-OCR_Passport Off

Troubleshooting Tip: If the AI-OCR_Passport function is not working, scan this **AI-OCR_Passport Off** configuration barcode to wipe out any previous scanner settings and then try again.

Appendix

Traditional-OCR Function configuration barcode

Note: These settings do not affect the AI-OCR function.

Traditional Passport OCR

Restore factory Defaults



@PASDEF

Restore the Factory Defaults of Passport OCR

Enable/Disable Passport OCR



@PASENA1

Enable Passport OCR



@PASENA0

Disable Passport OCR

Chinese ID Card OCR

Restore factory Defaults



@IDCDEF

**** Restore the Factory Defaults of Chinese ID Card OCR**

Enable/Disable Passport OCR



@IDCENA1

Enable Chinese ID Card OCR



@IDCENA0

**** Disable Chinese ID Card OCR**

China Travel Permit OCR

Restore factory Defaults



@CTPDEF

**** Restore the Factory Defaults of Chinese ID Card OCR**

Enable/Disable Passport OCR



@CTPENA1

Enable Chinese ID Card OCR



@CTPENA0

**** Disable Chinese ID Card OCR**

SCANNING MADE SIMPLE

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