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(57) Abstract :
 An improved AI-based OCR scanner (100) integrates a high-resolution camera (102), OCR engine (112), translation engine (114), and AI chip (116) to deliver real-time multilingual text recognition and translation. The device features a dynamic learning module (119), wireless module (120) with Bluetooth (122) and Wi-Fi (124), and offline processing capabilities. It enables accurate recognition of handwritten and printed scripts, adaptable to various fonts and languages, making it suitable for remote, academic, and professional applications.

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