

High-Performance Banknote Deposit Module
with Compact Design and Outstanding
Operational Stability 

HAK1

Cash Deposit Module

This is a high-performance kiosk deposit module that combines a compact design with outstanding stability, capable of processing up to 100 banknotes and vouchers, in a single batch to maximize efficiency.

The ultrasonic double-feed detection prevents document input errors, while its ability to store and transmit full images of the banknotes ensures transparent and accurate transaction recording.

Furthermore, the simplified internal structure makes maintenance exceptionally easy, and its optimization for the kiosk environment provides the highest operational efficiency.



Features

- 1 Optimized for kiosk applications and specifically designed for banknotes and vouchers
- 2 Reject Capacity : Up to 100 notes
- 3 Auto Inlet Shutter
- 4 Full Image Storage and Transmission
- 5 Deposit Capacity : Up to 100 notes per transaction
- 6 Free Air Stacking
- 7 Ultrasonic Double-Feed Detection
- 8 Simple internal structure for easy maintenance

<http://www.hantle.co.kr>

Scanner

Product Type	High-performance deposit module
Accepted Dimension	Min 60~79mm (width) / Max 120~166mm (length)
Deposit Speed	2 notes/sec
Deposit Direction	Short edge
Banknotes	KRW, JPY, Gift Ticket with Barcode (to be with other currencies)
Validation Sensor	Dual CIS (Contact Image Sensor)
Optical Resolution	300dpi
Target Resolution	100dpi, 200dpi
Light Source	RGB+IR
Max Deposit (1 time) Capacity	100 notes
Max Reject Capacity	100 notes
Max Escrow Capacity	N/A
Max Stack Capacity	N/A
Stacking Type	Mixed and Free air to bin
Double Feed Detection	Yes (Ultra sonic)
Inlet Shutter	Yes
Reject Shutter	N/A
Retract	N/A
Cassette Locker	N/A

Interface & Power

Communication	RS-232C / High speed USB 2.0 (for image)
Software Development Kit	Hantle API
OS	Win 7, Win 10, Win 11 (32bit and 64bit)
Power	DC 24V (50/60Hz)

Physical

Physical	156mm(W) X 230mm(H) X 320mm(D)
Weight	6kg (approx)
Environment (in operation)	Temperature : +5 °C to +45 °C / Humidity : 30 % to 70 %

Technical Support

Protocol Specifications	Yes (Manual guidance)
SDK	Yes (API and manual guidance)
Others	Test Program, Dimension Drawings, SDK manual