Heron 1

KIOSK

Google Mobile Services

EMVCo L1 Supports SoftPOS

Managed by KiwiCloud



ARTIFICIAL INTELLIGENCE

MAINTENANCE-FRIENDLY

COMPREHENSIVE PAYMENT OPTIONS

VERSATILE ACCESSORIES

The perfect device for the future of self-service and checkout. Purpose-built to introduce clarity and efficiency into self-service, Heron 1 adapts to the needs of modern businesses with built-in scanning, printing, and comprehensive payment operations - powered by high performance, durability, and artificial intelligence.

CORE HARDWARE HIGHLIGHTS

Heron 1



Heron 1
Retail Edition

Select the right scanner for your business.

Facilitates easier, faster, reliable scans - even on small or fine print

Heron 1



0.3MP CMOS Sensor
Scanning Speed: 30 fps
Accuracy: 1D ≥ 5mil, 2D≥ 6mil
Depth of Field: EAN13 (13mil): 13mm--120mm
QR code (40mil): 13mm--230mm

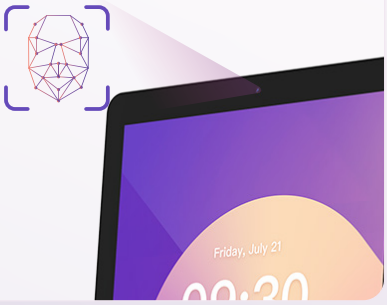
Heron 1 Retail Edition



1.3MP CMOS Sensor
Scanning Speed: 60 fps
Accuracy: 1D ≥ 4mil, 2D≥ 5mil
Depth of Field: EAN13 (13mil): 0mm--170mm
QR code (40mil): 0mm--280mm

Camera

2MP monocular camera with 75° vertical field of view (FOV).
Enables facial recognition.



Display

23.8",
1920x1080



Screen

10-point capacitive touch, G+G

Registers inputs even through gloves or wet hands



Microphone

100db stereo speaker with dual microphone



HDMI Compatible

Connect to other displays for flexible setup options

NFC payments (SoftPOS compatible)

Durability

The front-facing ordering interface is dust and water resistant.
Operating temperatures between 0-50°C

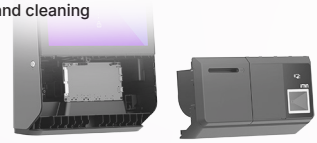
Automated Start-up

Simplistic, streamlined deployment



Removable Maintenance Cover

Facilitates easy routine checks and cleaning



Thoughtfully manufactured to stay adaptive and practical in any scenario.

Stands & Mounts

Floor Stand



Table Stand



VESA Mount

Mounting fits any standard
200 x 100mm VESA (MIS-D) mount.
*VESA mount by iMin sold separately.





Floor Stand (Accessibility)

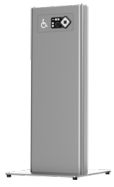




Table Stand (Accessibility)





Wall Mount (Accessibility)





Designed to support accessibility requirements in the US and EU（Storm 1409x）

Accessories

MSR Card Reader



Status Light



POS Holder



Payment Module Bracket



Industry Spotlight





F&B



Retail



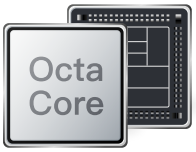
Public Service



Entertainment

Core Features

Octa-core



Bluetooth 5.4



WLAN 6



Android 15



Specification

Processor	Octa-core (Dual-core A76 2.0GHz Hexa-core A55 1.8GHz) NPU 3 TOPS	Display	23.8", 1920 x 1080 Viewing Angle: (Typ.) ±85° (H)/ ±85° (V) Brightness: 250 nits (cd/m²) Contrast Ratio: 1200:1 Multi-point Capacitive Touch Panel
Memory	6GB RAM + 64GB ROM	Operating System	Android 15 64bit, GMS
Connectivity	Wireless: WLAN 6, 802.11 a/b/g/n/ac/ax (2.4GHz/5GHz) Ethernet: 1000M, Bluetooth 5.4, NFC	Camera	2 MP front camera
Speaker	3W Dual	Scanner	Support 1D Barcode / 2D QR Scanning
Environment	Operating temperature: 0 ~ 50°C Storage temperature: -20 ~ 60°C	Printing	80mm (with automatic cutter) in width & 80mm in diameter, up to 250mm/s printing speed
Power Adapter	Input: 100 ~ 240V; Output: 24V / 2.5A	Button	Power key
Accessory*	MSR Card Reader, Status Light, POS Holder, Payment Module Bracket, Floor Stand, Table Stand, VESA Mount: Mounting fits any standard 200 x 100mm VESA (MIS-D) mount	Peripheral Ports	USB 2.0 Type A x 1, USB 3.0 Type A x 4, USB 2.0 Type C x 1 3.5mm Headphone Jack x 1, DC Jack x 1, HDMI x 1, RJ11 x 1, RJ12 x 1, RJ45 x 1, Pogo pin (6 pin) x 2, DB9 x 2, TF Card (up to 1TB) x 1
Dimensions	Wall mounted: 351 x 156 x 759mm Table Stand: 379 x 308 x 765mm Floor Stand: 410 x 460 x 1700mm	Certification*	Google GMS, EMV® Level 1 Certified FCC, CE, IMDA, WEEE

* The product pictures and display contents in the above pages are for illustration purposes only. The actual product effects (including but not limited to appearance, color, size) and screen display contents (including but not limited to background UI pictures) might differ.

The performance results are obtained from iMin's internal laboratory and extracted from specific test environments. In actual use, there might be a difference in performance due to individual differences in product, software, use conditions and environmental factors.

iMin does not provide the facial recognition algorithm. It requires integration with the user's software applications or third-party algorithms.

The accessories of the Heron 1 are sold separately according to user needs. To view more product certificate information, please visit www.imin.sg/en/resources.