HID® SEEK™ Avenger

Rugged Handheld Reader for Fingerprint and Iris Capture

The SEEK Avenger delivers quick and reliable multimodal enrollment and watchlist identification in harsh environments. With its high degree of mobility and accuracy at all times, it facilitates biometric identity management wherever and whenever it is needed.

BUILT FOR OUTDOOR MILITARY USAGE

The SEEK Avenger is a mobile device with an ergonomic design that focuses on military needs. It limits operating constraints in challenging locations thanks to its compact size and rugged, water-resistant case — all compliant with military standards. With two hand straps, it is easy to carry. Its touchscreen can be used with and without gloves, and the fingerprint sensor can be used in direct sunlight.

REDUCED RISK DURING OPERATIONS

The SEEK Avenger's offline capabilities are a valuable asset in remote locations where connectivity is compromised and when instantaneous confirmation of an identity is required. The on-board watchlist can eliminate the need to transport unknown subjects in uncertain conditions for enrollment or identification. The threat potential of an individual can be assessed faster — creating a safer environment during operations.

HIGHLY ACCURATE MATCHING RESULTS

The SEEK Avenger quickly captures high-quality, reliable fingerprints and iris images. The comparison of more than one biometric modality with an existing risk database or onboard watchlist of up to 250,000 records gives reliable and more accurate results in a timely manner. The SEEK Avenger's capabilities can be expanded by integrating our MRZ and RFID reader to read and verify Passports and other IDs or credentials.

EASY AND QUICK IRIS SCANNING

The SEEK Avenger makes the capturing of iris images easier than ever, by incorporating two high-resolution iris cameras in one device, meeting internationally recognized IAP 40 standards. The capturing of the iris is simplified as the camera doesn't require the subject to use a binocular-style hood to achieve high-quality images. Images of both eyes are taken at the same time even under direct sunlight, which saves valuable time during an operation.

The compact SEEK Avenger is the only fully certified biometric enrollment and credential reading solution purpose-built to perform in the harsh and challenging environments of the military, border security and law enforcement. Combining forensic-quality fingerprint, stand-off dual iris capture, high resolution facial and evidence imaging, and multiple format credential reading, the SEEK Avenger delivers a lighter, smarter and faster solution.

HID

HID SEEK
Avenger

Product Name	**HID SEEK Avenger**
Description	Iris Scanner and Fingerprint Reader
Capture Mode	One rolled finger and two flat fingers; Iris
	DEVICE
Dimensions (H x W x D)	9.5" x 6.2" x 1.8" (24.13 cm x 15.75 cm x 4.57 cm)
Weight	3.2 lbs (1.45 kg)
Interface	2 USB 2.0, 1 Ethernet, headphone and microphone jack
Display	5.0 Inch, 800 x 480 ppi resolution, resistive touch screen
Keypad	Backlit QWERTY keypad with integrated optical finger mouse
Camera (Face)	5 Megapixel, auto focus, auto flash
Contact Smart Card Reader	ISO/IEC 7816 (CAC, PIV)
Battery Type	Dual hot-swappable, 2.9 Ahr, lithium-ion battery
Wireless	Wi-Fi 802.11 ac/a/b/g/n Dual-Band 2T2R and Bluetooth® 5.0
Battery Life	Up to 8 hours
	OPERATING ENVIRONMENT
Temperature Range	35°F to 120°F (2°C to 50°C)
Humidity Range	Maximum 0-90% relative humidity, non-condensing
	SYSTEM SPECIFICATIONS
Operating Systems (OS)	Windows® 10 IoT Enterprise 2019 LTSC
Main Processor	Intel® Pentium® N4200 Quad core - 2.50 GHz (Burst) | 1.1 GHz
Hard Drive	128 GB Removable CFast SATA SSD
Memory	8 GB DRAM
	IMAGE SPECIFICATIONS
Scanning Area (Fingerprint)	1.6" x 1.5" (4.0 cm x 3.8 cm)
Image Size (Fingerprint)	800 W x 750 H
Image Resolution (Fingerprint)	500 ppi for fingerprint
Iris Camera	Stand-off, SAP 40; Auto focus range 6"-10" (15.24 cm - 25.4 cm)
	STANDARDS AND CERTIFICATIONS
Ruggedized Standards	MIL-STD 810G
Ingress Protection (IP)	IP65
Certifications	Appendix F (FAP 45) , FCC, IC, CE, UL
	SOFTWARE
HID's enrollment, matching and transmission software (optional)	HID MOBS and HID IDTrak
SDK (included)	HID SEEK Avenger SDK (finger, iris, face, credentials)