

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

HID's third generation SEEK Avenger is a mobile device with an ergonomic design that focuses specifically on military needs. The SEEK Avenger 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.

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 an 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.



SPECIFICATIONS

Product Name	HID SEEK™ Avenger
Description	Iris Scanner and Fingerprint Reader
Capture Mode	Rolls and Flats; 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
Keypad	Large backlit QWERTY keypad with optical mouse
Camera	5 Megapixel, auto flash
Battery Type	Dual hot-swappable, 2.9 Ahr, lithium-ion battery
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 REQUIREMENTS	
Operating Systems (OS)	Windows® 7 Ultimate
Main Processor	Intel® Atom N2600 Dual Core - 1.6 GHz
Hard Drive	32 GB removable SATA solid state drive (64 GB optional)
Memory	4 GB DRAM
IMAGE SPECIFICATIONS	
Scanning Area	1.6" x 1.5" (4.06 cm x 3.81 cm)
Image Size (W x L)	1.6" x 1.5" (4.06 cm x 3.81 cm)
Image Resolution	500 ppi for fingerprint
Iris Camera	Stand-off, SAP 40; Autofocus range 6"-10" (15.24 cm - 25.4 cm)
Contact Card	ISO / IEC 7816 (CAC, PIV)
STANDARDS AND CERTIFICATIONS	
Ruggedized Standards	MIL-STD 810G
Ingress Protection (IP)	IP65
Certifications	Appendix F (FAP 45)
SOFTWARE	
SDK (included)	HID SEEK™ Avenger SDK (finger, iris, face, credentials)

COMPONENTS

Standard	Fingerprint Sensor; Dual Iris Camera; Barcode Reader; Touchscreen; On-board PC; Keyboard
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hidglobal.com

North America: +1 512 776 9000

Toll Free: 1 800 237 7769

Europe, Middle East, Africa: +44 1440 714 850

Asia Pacific: +852 3160 9800

Latin America: +52 55 5081 1650

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