

BAYOMETRIC

SecuGen Hamster Pro 20

FIPS 201 (PIV) COMPLIANT READER



PRODUCT DESCRIPTION

SecuGen Hamster Pro 20 is an FBI certified single finger scanner that uses SecuGen's patented optical technology to scan fingers and produce high quality images consistent with the FIPS 201 standard. It is an FBI and STQC certified product that can be used for identification, verification and authentication in government applications such as border control, financial security etc. The device uses SecuGen's patented SEIR technology for capturing high quality images irrespective of the scanning conditions. The scanner is also equipped with Auto-On, Smart Capture and fake finger rejection features.

SecuGen offers a fully functional SDK along with its products which brings out the best in the scanners. The fake finger rejection feature, fast matching speeds and encrypted template creations for each fingerprint are some of the features that SecuGen SDKs offer. The scanner is built to be used under rugged and harsh conditions with its IP65 standard build. The device is dust and water proof and produces 500 DPI images consistent with FBI standards with the MINEX certified template generator and matcher. The Scanner is compatible with Windows, Linux and Android Operating Systems.

APPLICATIONS

Mobile, PC or network security
Bank and financial systems
Medical information systems
Labor and attendance tracking
Any password-based application

KEY FEATURES

Compact, lightweight and portable
Integrated finger guide
Readily accessible for any finger
High-performance, maintenance-free optical fingerprint sensor
Sensor resistant to scratches, impact, vibration and shock
FBI certified PIV single finger capture device compliant
Listed on GSA FIPS 201 approved products list
Supports SecuGen and third party algorithms

TECHNICAL SPECIFICATIONS

Product name	Hamster Pro 20
Model number	HU20
Optic module	U20
Image resolution	500 DPI
Image size	300 x 400 pixels
Platen size	18.2 mm x 22.9 mm
Effective sensing area	15.24 mm x 20.32 mm
Image Grayscale	256 levels (8-bit)
Light source / typical lifetime	LED / 60,000 hours
Fingerprint Capture Speed	0.2 ~ 0.5 sec with Smart Capture
Interface	USB 1.1 Full-Speed, USB 2.0 Hi-Speed
Supply voltage	5 V DC (via USB)
Current consumption (max)	150 mA
Dimensions (W x L x H)	53.9 x 58.5 x 31.6 mm
Weight	98 g
Cable length	1500 mm
Operating temperature	-20o -65o C
Operating humidity	90% or less RH, noncondensing
Dust and water resistance	IP65 Certified
Supported operating systems	Windows 10, 8.1, 8, 7, Windows Server 2012, 2008 R2, Android 3.1 and above, Java, Linux

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LINKS

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Supported standards	FBI PIV-071006 & Mobile ID FAP 20, INCITS 378, BioAPI, ISO/IEC 19794-2, ISO/IEC 19794-4,
Compliance	FCC, CE, RoHS, FIPS 201 (HSPD-12), STQC
Warranty	One year limited

ABOUT BAYOMETRIC

Bayometric is a leading global provider of biometric security systems offering core fingerprint identification solutions. Our products and solutions help enterprises, government agencies, custom application developers and system integrators meet their security, identification and access management requirements.