Table of Contents

Technical Column	. 1
Suprema Multi-dynamic Range (MDR) Technology	. 1
BioStar 2 and Web Security	. 1
Hyper Data Transfer for BioStar 2	1
New Image Compression Technology of SFM5500 Series	
Next Generation Verification Scanner, BioMini Slim	2
Multiple sub-IDs of FaceStation	2
Fake Face Detection with Face Recognition Technology	1
Suprema's Fingerprint Algorithm	. 1
Adaptive IR Illumination Technology for Face Recognition	1
Smart Enrollment Technology for Face Recognition System	2
How to clean fingerprint sensors	2
RS-485 Wiring Guide	. 2
Proper Use of Relays	. 2

Technical Column

Suprema Multi-dynamic Range (MDR) Technology

Compared to the fingerprint access control devices installed in a fixed position, fingerprint authentication scanners are more likely to be used in a varied positions and locations. Suprema's patented MDR technology is available "Ice Cream Sandwich" provide 'Face-Unlock' in selected BioMini models, namely BioMini Plus instead of password, pin or pattern to secure 2, BioMini Combo and BioMini Slim. MDR technology delivers greater benefits to mobile authentication applications where fingerprint scanners are connected with mobile devices in varied locations and positions.

READ MORE

BioStar 2 and Web Security

This article explains the differences of the two security protocols (HTTP and HTTPS) that are being by used by BioStar 2, which is a webbased security platform, and explains the reason products. why HTTPS should be used.

READ MORE

Hyper Data Transfer for BioStar 2

The available memory bandwidth and increasing Variations in background illumination have CPU performance outpace that of I/O devices. As always been one of the main challenges for a a result, handling the I/O operations perfectly is the key point for designing a system architecture. For this reason, the BioStar 2 server adapted an asynchronous system architecture for handling network I/O operations. issues in indoor applications. Before taking a deep look into the asynchronous system architecture, let's understand the synchronous system architecture first.

Fake Face Detection with Face **Recognition Technology**

Recently face recognition programs on smart devices have been getting more attention due to ease of use and quick secure access to programs and features. Even now Android phones using personal privacy.

READ MORE

Suprema's Fingerprint Algorithm

Suprema has developed a fingerprint verification algorithm, which has been proven to be one of the most advanced technologies in Fingerprint verification contest (FVC). It is the core technology of our company, which can be applied to the embedded module, PC authentication library, and various application

READ MORE

Adaptive IR Illumination Technology for Face Recognition

practical face recognition system. Active illumination based face recognition techniques are considered to be one of the most promising and practical methods used to solve illumination

READ MORE

READ MORE

New Image Compression Technology Smart Enrollment Technology for of SFM5500 Series **Face Recognition System**

have been equipped with the new technology to non-intrusive biometrics used to identify compress fingerprint images and guickly send high quality images via a low bandwidth network acceptable and easier to access than a environment. When compressing, the quality degradation is minimized (Figure 2), but the datatechnology in cooperative biometric systems size is lowered by 90%, reducing the time it takes to be sent by 90%, as well. Moreover, you PC security is increasing. can set the system to compress images in different levels, enabling you to appropriately adjust the transfer speed and the image quality according to its use.

READ MORE

Next Generation Verification Scanner, BioMini Slim

BioMini Slim, the world's thinnest PIV certified FAP20 optical scanner, is made using key optical technology, image acquisition and algorithms accumulated over 10 years. It is a new concept scanner overcoming the available environmental RS-485 Wiring Guide limits of existing scanners and is optimized for the mobile environment.

READ MORE

Multiple sub-IDs of FaceStation

Face recognition is gaining much more attention system. relative to other biometric recognition technologies due to not only the simple convenience it provides but also its ability to avoid various privacy issues. As facial information is publically displayed, there is little concern for a user to show his face to the device.

READ MORE

The SFM5500 series overcame this problem and Human face is one of the most common and individuals. It is much more universal, fingerprint. Recently, the use of face recognition such as access control, time & attendance and

READ MORE

How to clean fingerprint sensors

The fingerprint sensors can be soiled by user's fingers, dust, or other sources. This contamination may affect image quality, degrading authentication performance.

READ MORE

RS-485 signaling relies upon balanced and differential signaling scheme, and has many advantages over unbalanced signaling such as RS-232, such as strong noise immunity and multi drop configuration capability. These are the most frequently-asked questions on using RS-485 signaling systems, which are worth reading before designing a RS-485 BioStar network

READ MORE

Proper Use of Relays

This article is intended to introduce a basic application guide for relays in access control devices. Additionally, a means to prevent undesired arcing in relay contacts is proposed, to suppress unintended radiation and maintain relay lifespan.

READ MORE

From:

http://kb.supremainc.com/knowledge/ -

Permanent link: http://kb.supremainc.com/knowledge/doku.php?id=en:tc_technology&rev=1496644760

Last update: 2017/06/05 15:39