



Passport Check Passport & ID Authentication System



Brightnet ID System would like to introduce the **Passport Check – Passport and ID Authentication System** to serve organization demand and needs when comes to

- Border control (Passport Authentication)
- Police check and verification
- Bank account holder Identity card check
- Airlines boarding security check
- Airlines check-in counter scanning and authentication
- Prevent identity fraud in high security entrance
- Prevent and counterterrorism tools
- Prevent terror attack tools



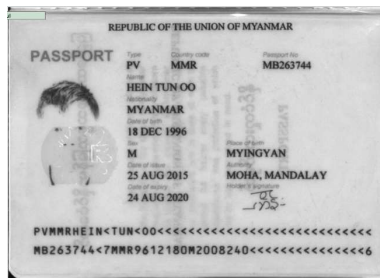
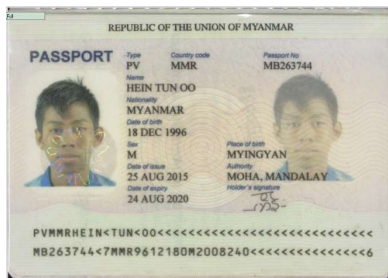
The screenshot shows the software interface with the following details:

- Document Class:** PV - Passport
- Document Number:** MB263744
- Name:** HEIN TUN OO
- Date of Issue:** 25 Aug 2015
- Date Of Expiry:** 24 Aug 2020
- Age:** 19
- Gender:** M
- Date of Birth:** 18 Dec 1996
- Nationality:** MMR
- Issuing Country:** MMR - Myanmar
- FR (%):** 96%
- Buttons:** Manual match (green), Manual not match (grey)
- Alerts:** Not Ready, Do Not Remove Passport, Manual Crop or Recapture
- MRZs:** ft Date of Birth, ft Date of Birth CheckDigit, ft FinalCheckDigit, ft Age

White Light

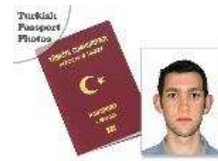
Infra Red Light

Ultra Violet Light





Passport Check Passport & ID Authentication System



Passport Check - Passport and ID Authentication System

Passport Authentication

Scan Record and Public Key Database (PKD) Management

Identity Card Authentication

Image Management

Facial Matching Authentication

System utilities Management

Passport or ID Authentication and compare live image with passport holder

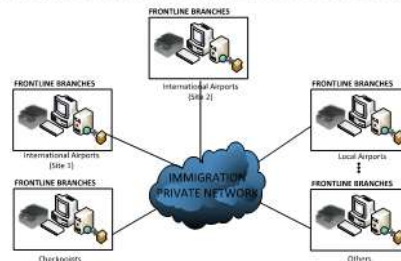
Manage scanned image and record

System alert if suspicious. Provide information to support the officer decision making

More confidence clearance of subject, as well as detaining the subject

NETWORK INFRASTRUCTURE FOR FRONTLINE BORDER CONTROL

INTERNATIONAL AIRPORT FRONTLINE BRANCHES NETWORK SETUP IN DETAIL

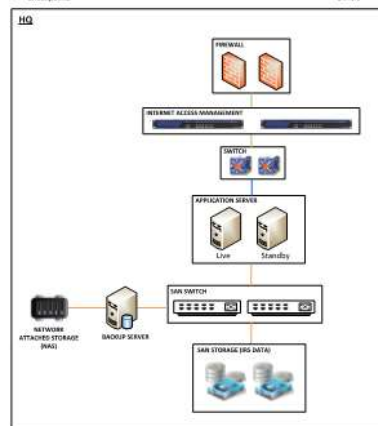


LOCAL AIRPORT FRONTLINE BRANCHES NETWORK SETUP IN DETAIL



We provide entire system and solution

- System design overview
- Network equipment, servers, storage and IT equipment
- Software, database and backup system
- Infrastructure setup
- Project management, implementation, training
- After sales support and maintenance



LEGENDS



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Passport Check Passport & ID Authentication System



Passport Check scanner and system features:

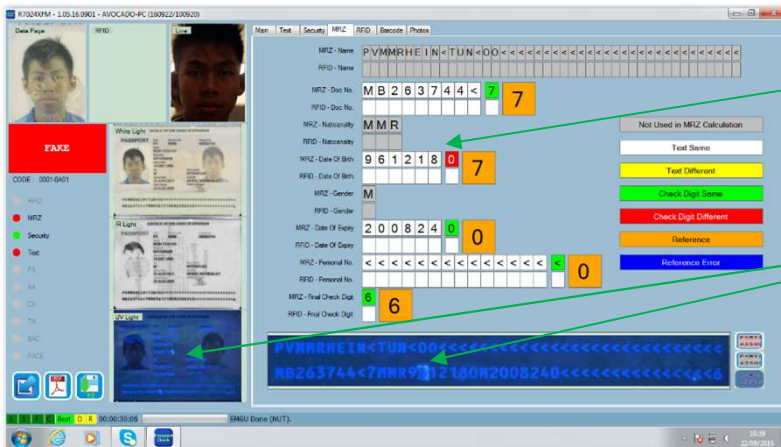
- retrieve RFID data, Photo
- Compare RFID photo with data page photo and do comparison
- Capture live passport holder image and do comparison
- Can run Facial Recognition authentication to check the similarity of live image with RFID and data page

Passport Check scanner and system features:

- Compare data page information with Machine Readable Zone (MRZ)
- Compare RFID information with Data page and MRZ information
- Provide alert if there is information not consistent or not the same.
- It also do RFID Digital Certification Authentication to check whether the CHIP is a valid digital signed chip from Government

Can identify potential problem area

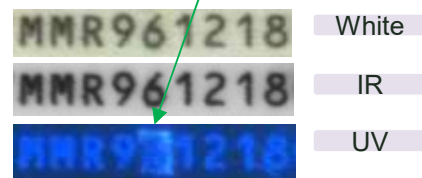
Field	MRZ	Data Page (Visual)	MRZ x Visual	Final
Document Class Code	PM	PM	●	●
Issuing State Code	KOR	KOR	●	●
Document Number	M28001770	M28001770	●	●
Date of Expiry	12-02-26	12-02-26	●	●
Date of Issue		12-02-16	●	●
Date of Birth	08-04-63	08-04-63	●	●
Personal Number	1927425	1927425	●	●
Surname	LEE	LEE	●	●
Given Names	EUNGHO	EUNGHO	●	●
Sex	F	M	●	●
Surname And Given Names	LEE EUNGHO	LEE EUNGHO	●	●
Nationality Code	KOR		●	●
Optional Data	1927425V113256		●	●
Issuing State Name	Korea, the Republic of	Korea, the Republic of	●	●
MRZ Strings	PMKORLEE<<EUNGHO<<<<< M280017709KOR0304085F26		●	●
Document Number CheckDigit	9		●	●
Date of Birth CheckDigit	5		●	●
Date of Expiry CheckDigit	3		●	●
FinalCheckDigit	4		●	●
MRZ Strings With Correct CheckSums	PMKORLEE<<EUNGHO<<<<< M280017709KOR0304087F06		●	●
Age	53	53	●	●
Optional Data CheckDigit	0		●	●
RemainderTerm	117	117	●	●



MRZ Checksum checking features

- Able to check Machine Readable Zone (MRZ) Checksum error and assist to identify whether is Fake or Tampered passport.

Can identify tempered area



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Passport Check Passport & ID Authentication System

BrightNet
SYSTEM

Our System able to scan ID like Mykad, Mykid, Driving license and etc

- We can authenticate Mykad and others ID printing whether is genuine or fake
- We can extract the printed information
- We can scan Mykad Infrared (IR) and Ultra Violet (UV) image
- We also can read the chip for Mykad information and do Biometric finger print authentication



Fake Mykad Sample, We can identify fake MyKad from Ultra Violet Image (UV)

Field	Value	Reference Photo	Scan Image
UV_Luminescence	ch_Check_Error		
>>	FileImage		
>>	Empty		
IR_Visibility	ch_Check_OK		
>> #1	Visible	80628-12-53	80628-12-53
>> #2	Invisible	MALAYS	
>> #3	Visible		
Image Pattern	ch_Check_Error		
>> #1	Similarity - 0 % 21.0		
>> #2	Similarity - 0 % 24.2		
>> #3	Similarity - 0 % 24.2		

