

# INTELLISCAN SOLUTION

## About:

It has been noticed over the decades that Banks are getting forged and tampered Check. Americom Group has developed a solution “**INTELLISCAN**” which helps teller to overcome the security related issues.

This solution has been divided into two parts which are based on hardware and software to prevent fraud detection of the banker's check. Our integrated solution is for teller capture and remote deposit capture (RDC) application.



**IntelliScan** solution is for bankers' check which is based on image classifications using artificial intelligence (AI) and machine learning technique. It has specially been designed for check fraud detection of uncertain checks with digitalization and using artificial intelligence capabilities.

Software detects the image of the UV patterns which are invisible layered printed on the banker's checks. Our solution detects suspicious check such as soiled, real and fake checks.

## Case Study



Fraud is the biggest challenge for all the industries specially for the financial industries which results huge losses annually. It has been noticed by the banks that fake checks are presented at the branch i.e. photocopy, scanned, mutilated etc.



Banks are directly affected because they are at the receiving end of the fraud. Due to the above reasons, financial industries have started using state of art artificial intelligence technologies to prevent these frauds. Our **IntelliScan** solution has got the ability to intercept these frauds as it takes place.

# Automated Check image analysis

Automated check image analysis is a powerful tool to detect the uncertainty of the checks that is not visible by human naked eyes.

When software detects a problem, it flags the check for manual verification.

At this point, customer can visually notice the check, account detail etc and decide whether to pass or stop it and move to the next step.



## How IntelliScan Works



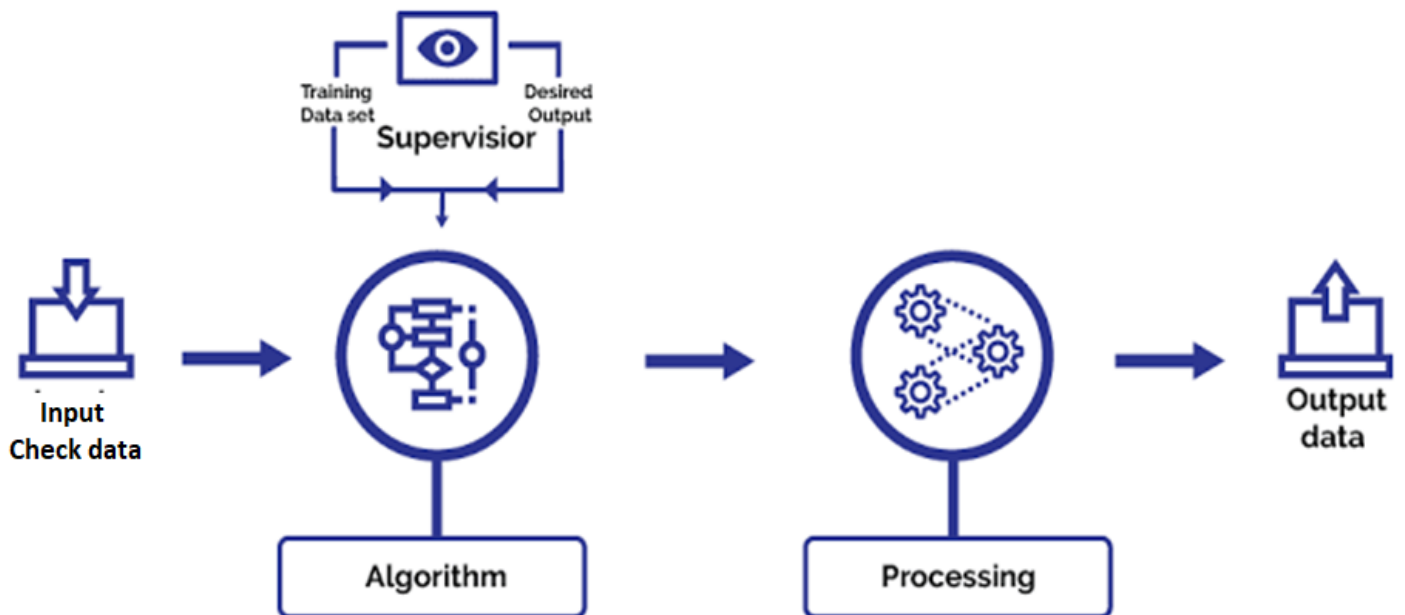
HOW OUR IntelliScan WORKS

### PROCESS FLOW



# MODEL

## Architecture Of Software



# Scanning & Printing Solution

## Multifunction Scanner/Printer & Thermal Printer

INTELLISCAN's second part is of hardware which is based on Multifunction scanner/printer (dot-matrix) and a thermal printer which are trusted global leaders in providing scanning and printing technology for branch teller and remote deposits capture applications.

Our hardware solution help bank to capture digital image of the checks to perform image based clearing.

Our integrated hardware and **IntelliScan** software solution is ideal for low, medium and high volume of branches.



## Proposed Hardware

### Features:

- A4 Duplex Scanner
- Color Image, Greyscale Image
- B/W image
- Ultraviolet (UV) Image
- Document Printing upto A4 size
- Card Scanning (Debit / Credit / CNIC)
- 24-pin dot matrix printer
- Scanning Speed Up-to 30 DPM
- E13B/CMC7 MICR reader; OCR
- Image Quality Assurance (IQA)
- QR & Datamatrix Barcode Read
- Dual USB 2.0 & RS232 Serial
- Thermal Receipt Printing
- Printing Speed 560 CPS





# Scanning & Printing Solution

## Dot Matrix Printer, Check Scanner & Thermal Printer

We have designed **INTELLISCAN** as a flexible solution which doesn't have a hardware platform dependency. It works with any hardware for image based clearing.

**INTELLISCAN** works on a combination of Dot-Matrix printer, check scanner and thermal printer.

We propose the renowned and trusted brands in providing scanning and printing solution for branch teller and remote deposits capture applications.

Our integrated hardware and **IntelliScan** software solution is ideal for low, medium and high volume of branches.



## Proposed Hardware

### Features:

- Scanning Speed Up-to 180 DPM
- Bitonal (B/W) image
- E13B/CMC7 MICR reader; OCR
- QR & Datamatrix Barcode Read
- USB 2.0
- Document Printing upto A4 size
- Card Scanning (Debit / Credit / CNIC)
- 24-pin dot matrix printer
- Color Image, Greyscale Image
- Ultraviolet (UV) Image
- Image Quality Assurance (IQA)
- Inkjet Rear Printer
- Automated Stamp
- Dual USB 2.0 & RS232 Serial
- Thermal Receipt Printing
- Printing Speed 560 CPS



- Dot Matrix Printer
- Single doc check scanner
- Multiple doc check scanner
- Thermal Printer

