



Codeshilp Global Solutions Pvt. Ltd.

LPR / ANPR Weighbridge Software

LPR (License Plate Recognition) and ANPR (Automatic Number Plate Recognition) As soon as a vehicle arrives, the system reads the number plate and gets ready to weigh automatically — recognizing every vehicle before it even stops.



Introduction

- ❖ ANPR (Automatic Number Plate Recognition) Weighbridge Software is a smart system that automatically reads vehicle number plates and records their weight—without any manual typing.
- ❖ It uses special cameras and digital weighbridges to detect vehicles as they arrive. The system then captures the number plate, weighs the vehicle, and saves all the details like weight, time, and vehicle number in real-time.
- ❖ This helps save time, avoid mistakes, and improve security. It's very useful in places where many vehicles are weighed daily—like in logistics, mining, construction, and factories.
- ❖ By reducing human effort and keeping accurate records, this software makes the whole weighing process faster, safer, and more reliable.

What is LPR/ANPR Weighbridge Software?

- ❖ A smart solution that combines License Plate Recognition (LPR) and Automatic Number Plate Recognition (ANPR) with weighbridge systems.
- ❖ Uses AI-powered cameras to capture and read vehicle number.
- ❖ Automates the vehicle identification and weighing process.
- ❖ Reduces human error and manual data entry.
- ❖ Enhances security by preventing unauthorized vehicle access using number plate verification.
- ❖ Captures vehicle images along with date and time stamps.
- ❖ Enables touchless and faster vehicle processing

Key Features of ANPR Weighbridge Software

- ❖ **ANPR Technology** – Automatically captures and identifies vehicle number plates using high-resolution cameras.
- ❖ **Weighbridge Integration** – Connects with static and dynamic weighbridges for automatic and accurate weight capture.
- ❖ **Automated Weighing** – Streamlines the weighing process with minimal human intervention and instant ticket generation.
- ❖ **Real-time Reporting** – Provides live vehicle and weight data with customizable, cloud-based reporting.
- ❖ **Security & Fraud Prevention** – Prevents unauthorized access and detects duplicate or fraudulent transactions.
- ❖ **ERP & Third-party Integration** – Seamlessly integrates with ERP systems and third-party applications via APIs.
- ❖ **User Access Control** – Offers role-based access, biometric/RFID login, and full transaction audit trails.
- ❖ **Custom Workflows & Alerts** – Allows workflow customization with SMS/Email alerts for key events.

How ANPR Works:

- ❖ **Step 1:** Vehicle approaches camera zone
- ❖ **Step 2:** Camera captures license plate image
- ❖ **Step 3:** Software extracts alphanumeric characters
- ❖ **Step 4:** Plate data is stored in a database or sent to other systems



Advantages of Using ANPR in Weighbridge Systems

- ❖ Speeds up vehicle processing and reduces wait time
- ❖ Improves weighing accuracy and billing precision
- ❖ Eliminates manual errors and duplication
- ❖ Enhances security with plate-based verification
- ❖ Prevents fraud and unauthorized access
- ❖ Supports audit trails with images and logs
- ❖ Reduces labor costs and increases throughput
- ❖ Integrates easily with ERP, SAP, and logistics systems

Entry Setting

Entry Setting

General Setting

Print Setting

Admin Setting

CCTV Setting

lot Setting

ANPR Setting

SAP Setting

Entry Setting

Setting1

Setting2

Setting3

Setting4

Field Settings

Field Settings








SrN	Field Name	Field Text	Visible	Mendatory	Get From Master	Capital Letters
1	Site_Name	Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Customer_Name	Customer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Supplier_Name	Supplier	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Product_Name	Product	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Vehicle_Number	Vehicle_No	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Charges	Charges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	TareCharges	SecondCharges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Extra1	Extra1_Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Extra2	Extra2_Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Extra3	Extra3_Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	Extra4	Extra4_Name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Save Field Settings

Save

Close

Print Setting

 Entry Setting General Setting **Print Setting** Admin Setting CCTV Setting Iot Setting ANPR Setting SAP Setting

Print Setting

Print Type

☒ CCTV Print ☐ Normal Print ☐ Slip Print ☐ DOS Print ☐ Net Print☐ Active : Print without Preview

Print Report Name

Normal Print: RptWeighment_Normal_Print.rpt

Ticket No.

Test Print

CCTV Print: RptWeighment_CCTV_Print.rpt

Test Print

Paper Size: Letter

Create Size

[Need DSN Help?](#)[Open Report Folder](#)

Save

Close



Print Setting

Entry Setting

General Setting

Print Setting

Admin Setting

CCTV Setting

lot Setting

ANPR Setting

SAP Setting

Print Setting

Print Type

☐ CCTV Print ☐ Normal Print ☐ Slip Print ☒ DOS Print ☐ Net Print

☐ Active : Print without Preview

DOS Printing Settings

Paper Width : Paper Height :

Font Family :

Font Size : No of Copies :

Default Printer :

Set Default Printer

Description :

AaBbYyZz

Test Print

Save

Close

CCTV Setting

Entry Setting

General Setting

Print Setting

Admin Setting

CCTV Setting

Iot Setting

ANPR Setting

SAP Setting

CCTV Camera Setting

CCTV Setting Camera IP Setting

☒ Active : CCTV Camera Facility

CCTV Image Path : D:\CCTV Image\ ...

CCTV Recording Path : D:\CCTV Recordings\ ...

VLC Folder Path : C:\Program Files (x86)\VideoLAN\VLC ...

Snap Delay : 150000

☐ Compress CCTV Images (Reduce CCTV Images Size)☐ Capture Images While Capture The Weight

Mandatory CCTV Images

☐ Camera 1 - Capture Compulsory☐ Camera 2 - Capture Compulsory☐ Camera 3 - Capture Compulsory☐ Camera 4 - Capture Compulsory

Ticking the Mandatory Camera makes corresponding camera image is required to save the Ticket.

CCTV Feature is Activate**NOTE : After save settings for CCTV, please restart the software**

Save

Close

CCTV Setting

Entry Setting

General Setting

Print Setting

Admin Setting

CCTV Setting

Lot Setting

ANPR Setting

SAP Setting

CCTV Camera Setting

CCTV Setting

Camera IP Setting

☒ DVR (Analogue) ☐ Hikvision ☐ RTSP

IP Address : 192.168.0.101

User Name : Admin

Port : 8000

Password : ●●●●●

☐ Active : Camera 1

Channel No. 1 : 1

Cam Name : Camera 1

☐ Active : Camera 2

Channel No. 2 : 2

Cam Name : Camera 2

☐ Active : Camera 3

Channel No. 3 : 3

Cam Name : Camera 3

☐ Active : Camera 4

Channel No. 4 : 4

Cam Name : Camera 4

NOTE : After save settings for CCTV, please restart the software

Save

Close

lot Setting

Entry Setting

General Setting

Print Setting

Admin Setting

CCTV Setting

lot Setting

ANPR Setting

SAP Setting

lot Setting

☒ Active : IOT Facility

IOT setting

Ip Address : 192.168.0.154

Port : 9000

Connect

.

Hex :

Value :

Read

Write

☒ Active : Play Siren While Human Detection on Weighbridge

Save

Close

Multi WB Setting

Entry Setting

General Setting

Print Setting

Admin Setting

CCTV Setting

Lot Setting

ANPR Setting

SAP Setting

ANPR Camera Setting

ANPR IP Setting

☒ Active : ANPR 1

URL

Cam Name

Camera 1

Address

192.168.0.217

Port:

7200

☒ Active : ANPR 2

URL :

Cam Name

Camera 2

Address

192.168.0.217

Port:

8200

NOTE : After save settings for ANPR, please restart the software

Save

Close

SAP Setting

✎ Entry Setting

✎ General Setting

✎ Print Setting

✎ Admin Setting

✎ CCTV Setting

✎ Iot Setting

✎ ANPR Setting

✎ SAP Setting

SAP Setting

SAP API Url : *(e.g. : http://20.174.16.248:93/SAP/api)*Username : Password :

Save

Close

Indicator Setting

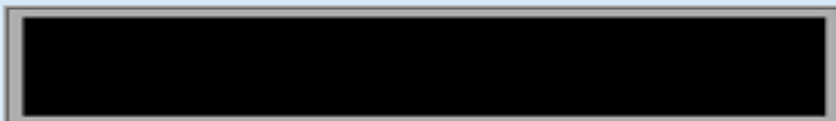


● RS232 Serial Port ● Ethernet (LAN)

No :	<input type="text"/>	<input type="checkbox"/> Set for Local PC
Name :	<input type="text"/>	<input type="checkbox"/> Auto Weight Detect
Comport No :	<input type="text"/>	COM1 COM3 COM4
Baud Rate :	9600 ▾	Restore Defaults
Data Bits :	8 ▾	Weighbridge ▾
Flow Control :	None ▾	Parity : None ▾
Length of String :	<input type="text"/>	Stop Bits : One ▾
Start Index :	<input type="text"/>	Refresh : <input type="text"/>
No. of Digit :	<input type="text"/>	
Starting Value :	<input type="text"/>	

☐ Is Reverse String

Live Weight

☐ Show Indicator String ☐ Convert in Tons (e.g. 26850 to 26.85)☐ Convert in Kgs (e.g. 26.85 to 26850)[Export / Import](#)

Weighment Report

Master Report

Weighment Report

Summary Report

Select Report : Weighment Entries Report

Filter Report : Today

Date Type : EntryDate

Time Type : Gross_Tm

User name : ALL

Ticket Type : ALL

Customer : ALL

Supplier : ALL

Product : ALL

Vehicle_No : ALL

☐ Portrait

Customer Supplier Product Vehicle_No

Name

- ☐ AIA ENGINEERING LTD.
- ☐ AL ZAROONI & AL KHWAJA GENERAL TR..
- ☐ ALBUM TRADING COMPANY LIMITED
- ☐ ALOK INGOTS (MUMBAI) PVT LTD
- ☐ AMBICA STEELS LTD
- ☐ ANITA INTERNATIONAL
- ☐ ANSHIMA INC
- ☐ APAR INDUSTRIES LIMITED
- ☐ APEX METAL RECYCLING LIMITED
- ☐ APOLLO OVERSEAS
- ☐ JSM METAL RECYCLERS
- ☐ ASL RECYCLING CO.
- ☐ Satyam Impex
- ☐ ASSAN ALUMINYUM SANAYI VE TICARET...
- ☐ AVTAR STEEL LIMITED
- ☐ B.R METAL & ALLOYS (GUJ) PVT. LTD
- ☐ B.R. METALS DMCC
- ☐ BANSAL CHEMICALS (INDIA)
- ☐ BMJ CABLES LTD.
- ☐ BRAND RECYCLING METALS F.Z.E.
- ☐ CENTURY METAL RECYCLING PVT. LTD.
- ☐ CENTURY NF CASTING
- ☐ CHEONGWOO TECH. CO., LTD.
- ☐ CHIEN TSUNG ENTERPRISE CO., LTD.

[Need DSN Help?](#)

Status

Show

Clear

Close

Company 1

22/03/2025

Add1, Add2

Sr No	Ticket No	Customer	Vehicle_No	Product	Empty	Loaded	Net Weight
	Gross Date	Gr Time	Tare Date	Tr Time	Supplier	Ticket Type	User Name

1

No Of Ticket :

Some of our valuable Clients



Wholly owned by Cooperatives



5000+ More Customers are engaged with us from 15+ Countries



Contact us

Codeshilp Global Solutions Pvt. Ltd.

218, Akshar Arcade, Nr. Devasya International School
New India Colony Nikol, Ahmedabad, GUJARAT, INDIA.

Call: +91 95379 68736

E-Mail: info@codeshilp.com

Web: www.codeshilp.com



Thank You