



# **Turnstile Selection Tool**

**User Manual**

## Legal Information

©2020 Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

### About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website ( <https://www.hikvision.com/> ).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

### Trademarks

**HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.

Other trademarks and logos mentioned are the properties of their respective owners.

### Disclaimer

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS MANUAL AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

YOU ACKNOWLEDGE THAT THE NATURE OF INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INSPECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR

## Turnstile Selection Tool User Manual

---

PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

## Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 <b>Danger</b>	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
 <b>Caution</b>	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 <b>Note</b>	Provides additional information to emphasize or supplement important points of the main text.

# Contents

<b>Chapter 1 Overview .....</b>	<b>1</b>
1.1 Introduction .....	1
1.2 Environment Requirements .....	1
<b>Chapter 2 Selection Operation .....</b>	<b>2</b>
2.1 Turnstile Type .....	2
2.1.1 Swing Barrier .....	2
2.1.2 Flap Barrier .....	4
2.1.3 Tripod Turnstile .....	6
2.2 Plan Turnstile Solution .....	8
2.3 Export Installation Picture or Solution .....	10

# Chapter 1 Overview

## 1.1 Introduction

The Turnstile Selection Tool is a web based software, which can help the pre-sales or technicians to plan turnstile solution according to the actual turnstile project.

According to the parameters you enter, the Turnstile Selection Tool can automatically generate the installation picture and generate the turnstile list. The list can be used to guide project purchasing or bid in the pre-sales stage, while the installation picture can be used to guide turnstile layout in the installation stage.

The procedure of turnstile selection is as follows:

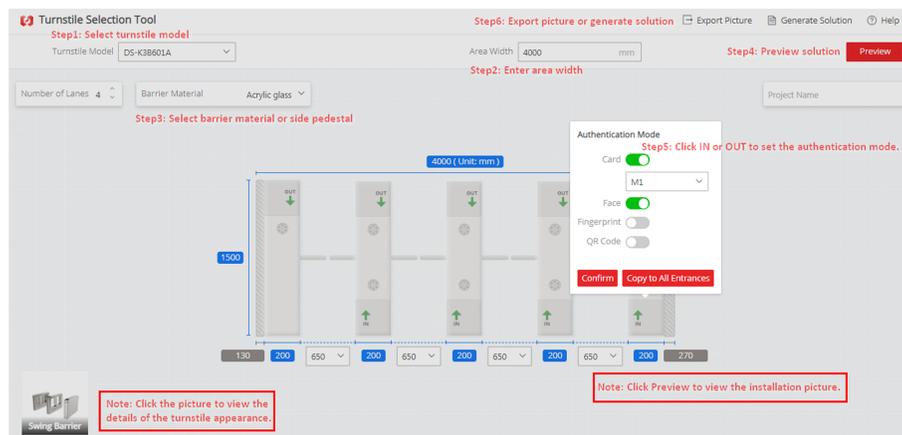


Figure 1-1 Procedure of Turnstile Selection

## 1.2 Environment Requirements

The environment requirements of the Turnstile Selection Tool are as follows:

Operating System: Microsoft® Windows 7 / Windows 8 / Windows 10 (32-bit/64-bit operating system)

CPU: i3-8100 or above

Memory: 1GB or above

Browser: Chrome 60 or later versions, Firefox 60 or later versions

## Chapter 2 Selection Operation

According to the actual scene, you can select the turnstile model to generate the installation picture and generate the turnstile solution (including installation picture and turnstile list).

The Turnstile Selection Tool supports the following functions:

- Select the turnstile model (including swing barrier, flap barrier, tripod turnstile) and barrier material.
- Preview the turnstile installation picture.
- Export installation picture, to guide turnstile layout in the installation stage.
- Generate and export turnstile solution, to guide turnstile purchasing.

### 2.1 Turnstile Type

There are three turnstile types: swing barrier, flap barrier and tripod turnstile. The turnstile is designed to detect unauthorized entrance or exit. When the access control system is integrated with turnstile(s), person should authenticate identity to pass through the lane via presenting IC or ID card, scanning QR code, etc.

The turnstile can be used in multiple scenes. For example, in factories, the turnstile can be linked with the attendance system, to implement attendance statistics. In scenic areas or parks, the turnstile can be linked with the electronic ticket system, to implement automatically checking tickets.

#### 2.1.1 Swing Barrier

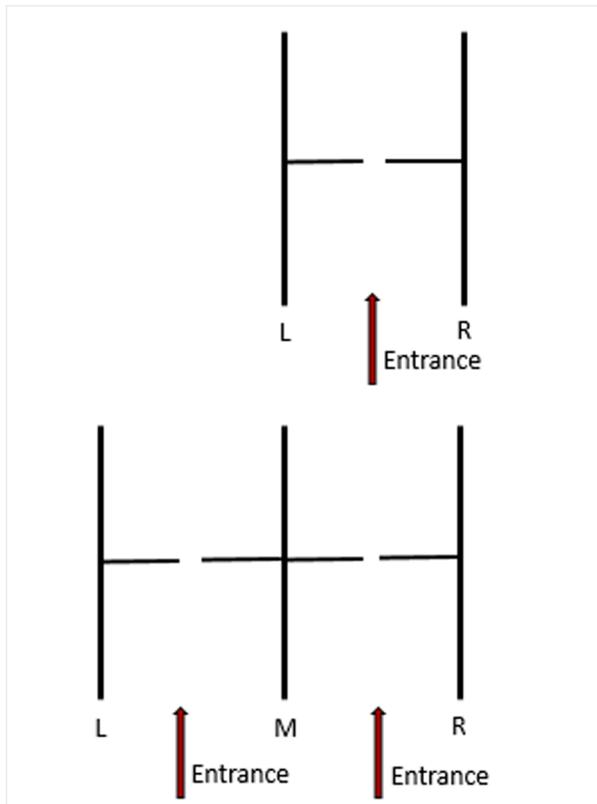
The swing barrier controls the door open/close to control the passenger flow. The lane width of swing barrier can be adjusted to meet the actual scene requirement. With the flexible lane width and high barrier open/close speed, swing barrier is suitable for the scene that requires wide lane and large flow of people, such as subway, school, station, and community, etc.



**Figure 2-1 Swing Barrier Appearance**

**Table 2-1 Parameters of Swing Barrier**

Parameter	Description
Barrier Material	Acrylic Glass or Stainless Steel Pipe
Lane Width (mm)	600, 650, 750, 900 or 1100
Pedestal Width (mm)	175 or 200
Pedestal Length (mm)	1500
Available Model	DS-K3B601 series (L, M, R) DS-K3B601A series (L, M, R) DS-K3B801 (L, M, R) DS-K3B801A (L, M, R)  ⓘ <b>Note</b> <ul style="list-style-type: none"> <li>• The same swing barrier series supports 3 models: L, M, R.</li> <li>• L represents pedestal on the left. M represents pedestal in the middle. R represents pedestal on the right.</li> </ul>



**Figure 2-2 Swing Barrier Installation**

### **2.1.2 Flap Barrier**

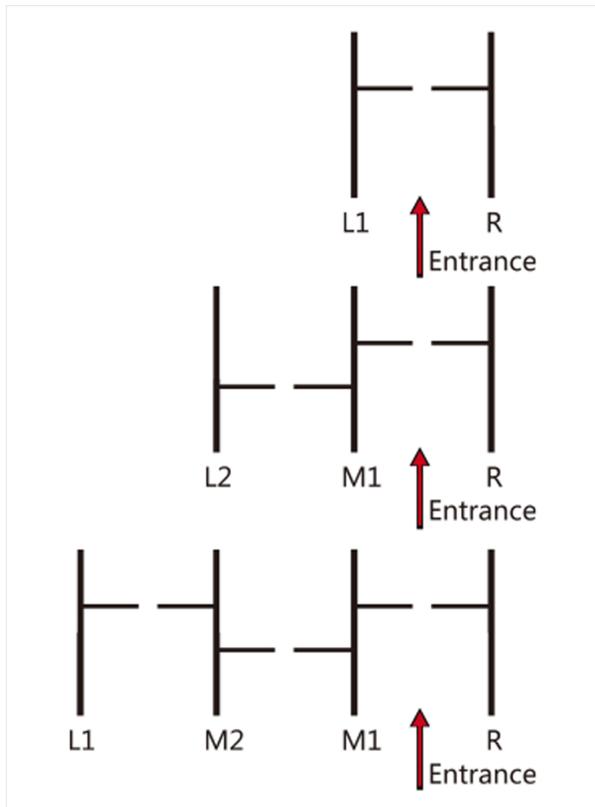
The flap barrier controls the lane by extending or reducing the barrier. The lane width of flap barrier is fixed. Flap barrier is suitable for some high-end places, such as office building, museum and theater, etc.



**Figure 2-3 Flap Barrier Appearance**

**Table 2-2 Parameters of Flap Barrier**

Parameter	Description
Barrier Material	Acrylic Glass
Lane Width (mm)	600
Pedestal Width (mm)	300
Pedestal Length (mm)	1410
Wall Distance (mm)	130
Available Model	DS-K3Y501 series (L1, L2, M1, M2, R)   <b>Note</b> <ul style="list-style-type: none"> <li>• The same flap barrier series supports 5 models: L1, L2, M1, M2, R.</li> <li>• L1 indicates left pedestal 1. L2 indicates left pedestal 2. M1 indicates middle pedestal 1. M2 indicates middle pedestal 2. R indicates right pedestal.</li> </ul>



**Figure 2-4 Flap Barrier Installation**

### 2.1.3 Tripod Turnstile

The tripod turnstile controls the lane by rotating the axis, thus permitting one person to pass at one time and control the flow of people in one direction. Tripod turnstile is suitable for the scene that requires preventing tailgating and ticket evading, such as park, scenic area, and factory, etc.



**Figure 2-5 Tripod Turnstile Appearance**

**Table 2-3 Parameters of Tripod Turnstile**

Parameter	Description
Lane Width (mm)	550
Pedestal Width (mm)	230
Pedestal Length (mm)	1210
Available Model	DS-K3G501 series  <b>Note</b> If necessary, the tripod turnstile can be flipped by 180°, to be used as left turnstile or right turnstile.

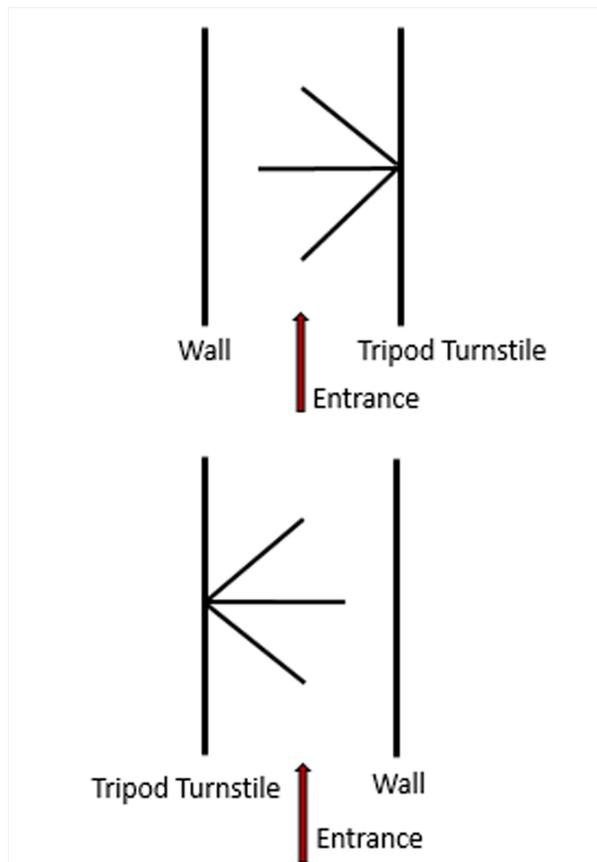


Figure 2-6 Tripod Turnstile Installation

## 2.2 Plan Turnstile Solution

By selecting the turnstile model, setting the area width, and setting the number of lanes and the barrier material, you can plan the turnstile solution, to generate the turnstile installation picture and generate the turnstile solution.

### Steps

1. Enter the Turnstile Selection Tool page.
2. Select the **Turnstile Model**.



### Note

The turnstile appearance is displayed on the lower-left corner of the page. Click the picture to view the details of the turnstile appearance.

---

3. Enter the **Area Width** according to the actual scene.
4. Select the **Barrier Material** or **Side Pedestal**.

## Note

- For swing barrier or flap barrier, select the barrier material.
  - For the tripod barrier, select the side pedestal.
- 

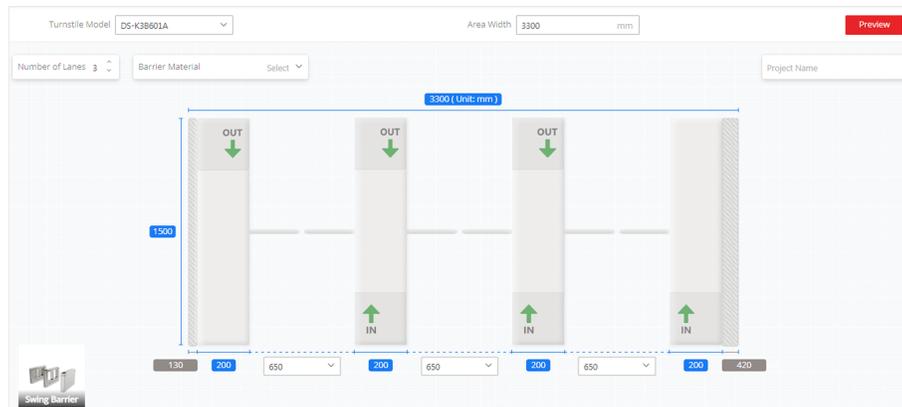
5. Click **Preview** to view the installation picture.

---

## Note

The system will generate the top view of installation, to display the turnstiles, the number of lanes, the lane width, the turnstile width, the turnstile length and the distance from the sidebar to the wall.

---



**Figure 2-7 Preview the Installation Picture**

6. Adjust the parameters of the solution according to the actual requirements.

- Adjust the number of lanes.
- 

## Note

- Support up to 8 lanes and 9 turnstiles.
  - If the turnstile width exceeds the area width, the exceeded width will be marked in red.
- 

- Adjust the lane width.
- 

## Note

The tripod turnstile's fixed lane width is 550 mm.

---

- Click **IN** or **OUT** select the authentication mode of the lane.
-

**Note**

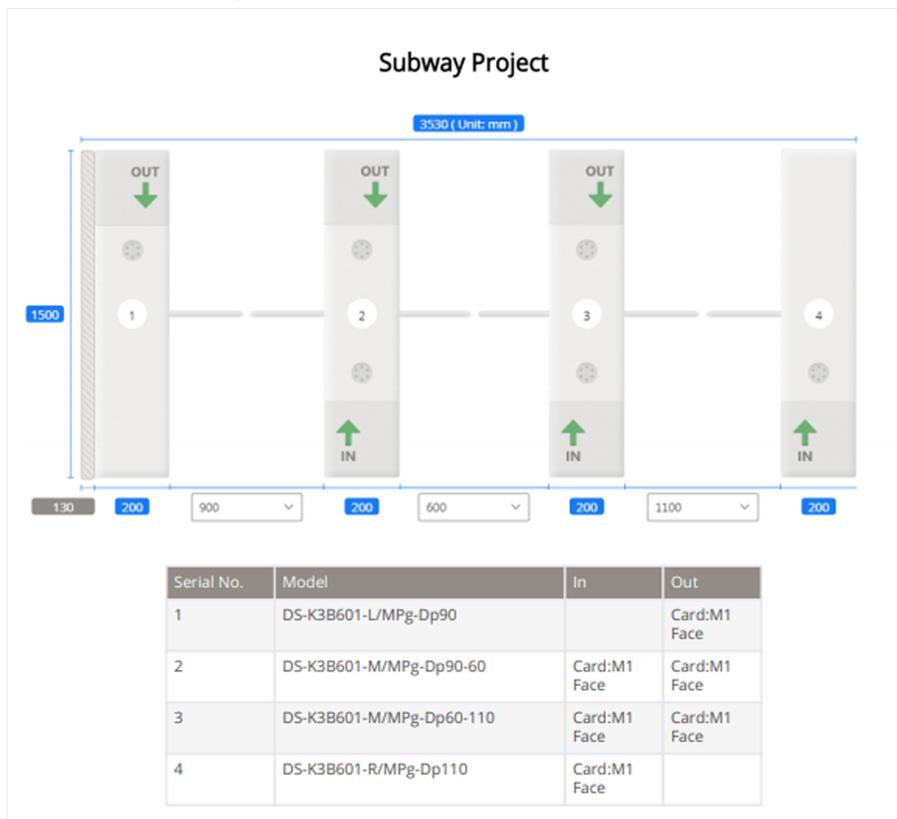
- The turnstile supports the following authentication modes: card, face recognition, fingerprint or QR code.
  - If the authentication mode is not set, the turnstile is prohibited passing through.
  - If you select **Face** as the authentication mode, the installation hole will be displayed for installing face recognition terminal.
- 

## 2.3 Export Installation Picture or Solution

You can export the installation picture to the local computer, or generate the turnstile solution (including installation picture, turnstile list and bill of materials) to guide the turnstile purchasing or turnstile layout.

### Export Installation Picture

After previewing the solution, enter the **Project Name**, and then click **Export Picture** to export the installation picture (turnstile diagram) in PDF.



**Figure 2-8 Turnstile Diagram**

## Generate Turnstile Solution

After planing the turnstile solution, you can generate the turnstile solution (including the installation picture, turnstile list and bill of materials) in PDF format, to guide the project purchasing or bid.

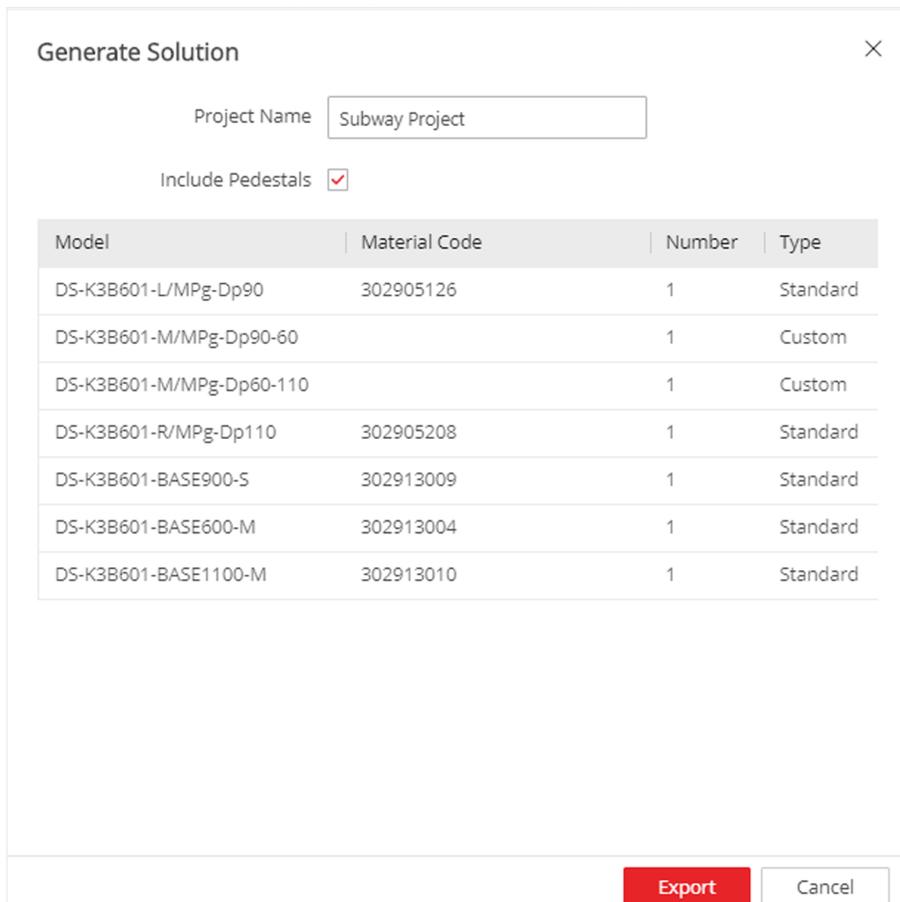
---

### Note

If no bill of material is generated in the list, contact the turnstile project manager to launch the customized turnstile model.

---

1. Click **Generate Solution** on the upper-right corner of the page.



Model	Material Code	Number	Type
DS-K3B601-L/MPg-Dp90	302905126	1	Standard
DS-K3B601-M/MPg-Dp90-60		1	Custom
DS-K3B601-M/MPg-Dp60-110		1	Custom
DS-K3B601-R/MPg-Dp110	302905208	1	Standard
DS-K3B601-BASE900-S	302913009	1	Standard
DS-K3B601-BASE600-M	302913004	1	Standard
DS-K3B601-BASE1100-M	302913010	1	Standard

**Figure 2-9 Generate Solution**

2. Enter the **Project Name**.

---

### Note

The project name will displayed as watermark in the turnstile solution.

3. Select **Include Pedestals** according to the actual requirement.

---

 **Note**

The system will generate the pedestal model and quantity.

- 
4. Click **Export** to export the turnstile solution in PDF format.



See Far, Go Further