



Setup Guide for:

104-984 Hikvision DS-K1T671M, Face Recognition Terminal
INTERFACING TO NESS D18/D16

Rev 1.0

Page 1 of 7

Face Recognition on a D8xD/16xD

Using a Hikvision weigand capable face-recognition terminal and modern NESS D8xD/D16xD, it is possible to arm and disarm the panel.

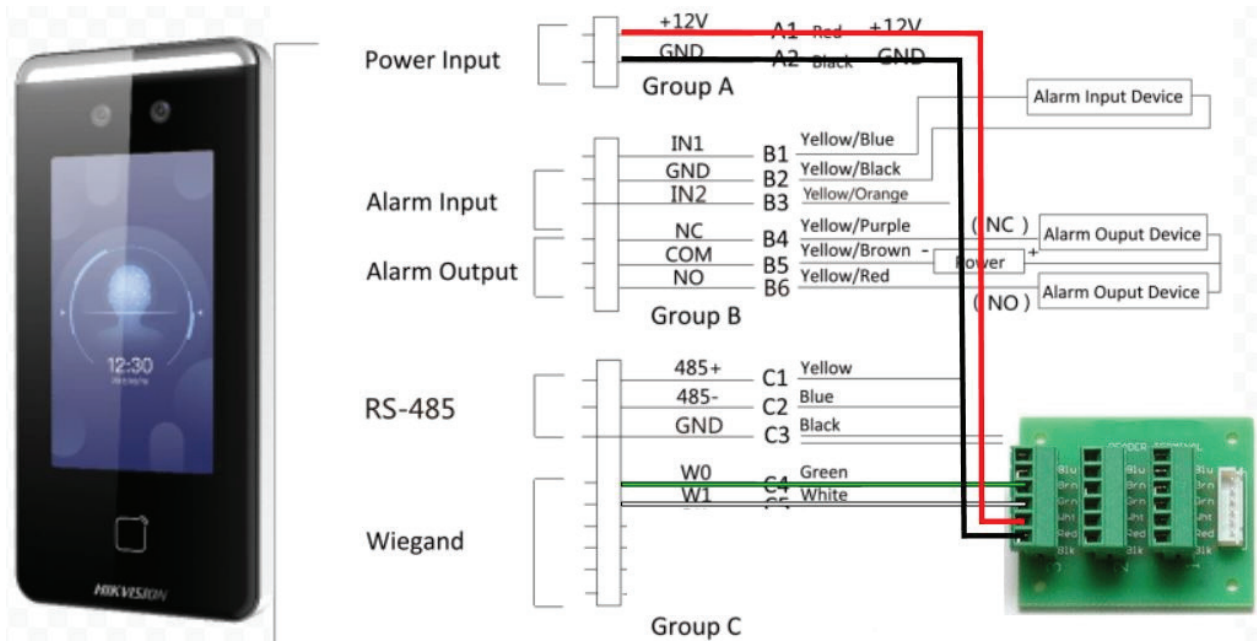
Example and How to:

Products required for this configuration,

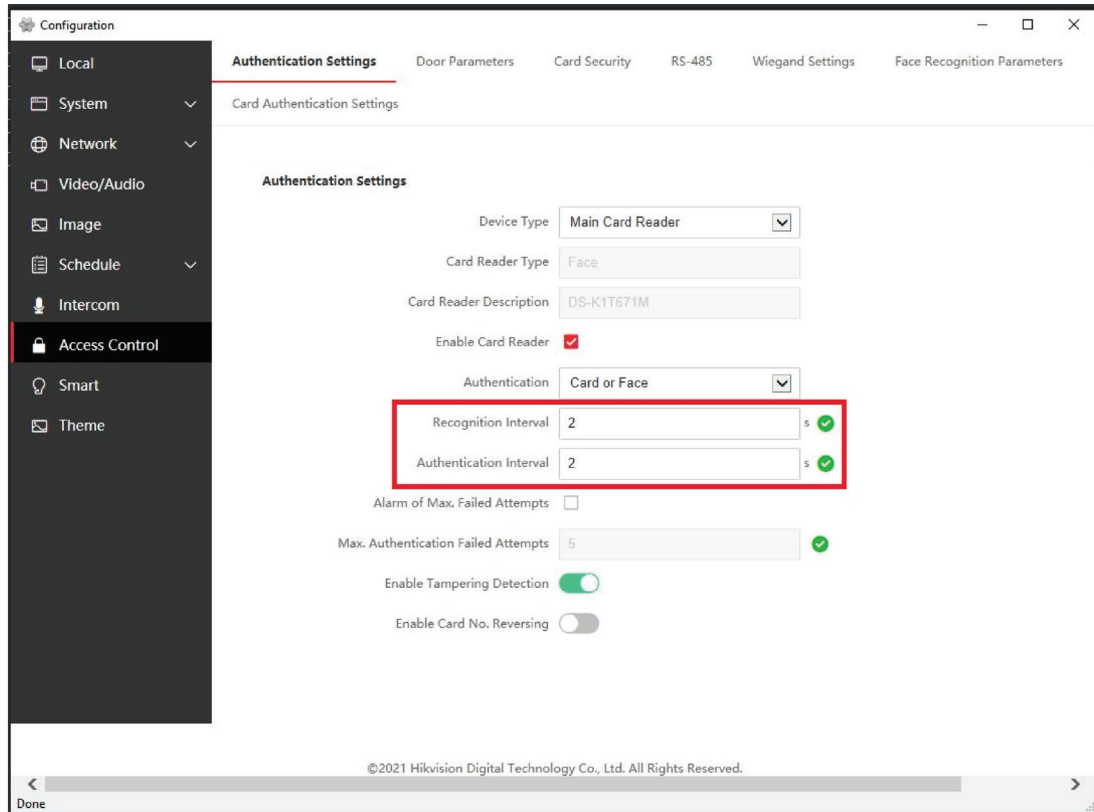
- D8XD / D16XD - Version 9 or higher, includes XCEL
- 104-984 HIKVISION DS-K1T671M - Firmware V3.2.30 build 220210 at time of writing
- 106-012 - Ness Wiegand Interface
- 106-013 - Ness Relay Board - Only if you need to control a relay

HIKVISION DS-K1T671M (based on firmware V3.2.30 build 220210) Connected to a D8XD/D16XD

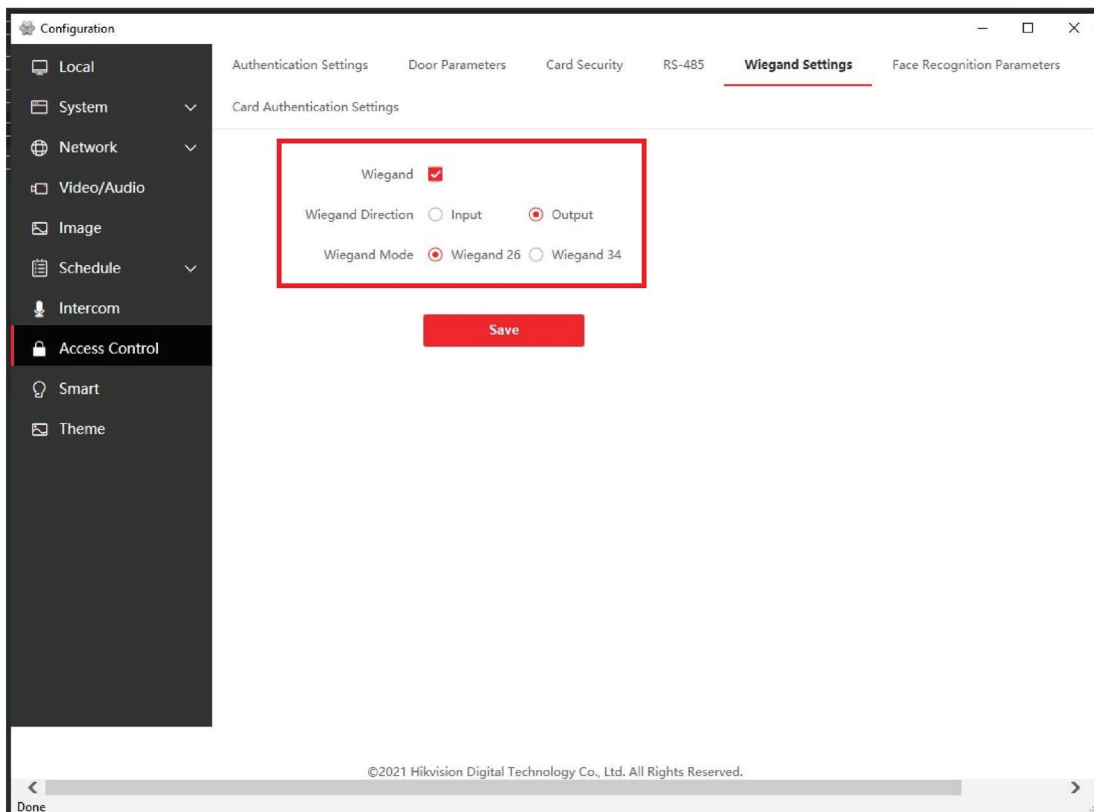
Step 1: Wire device as per below



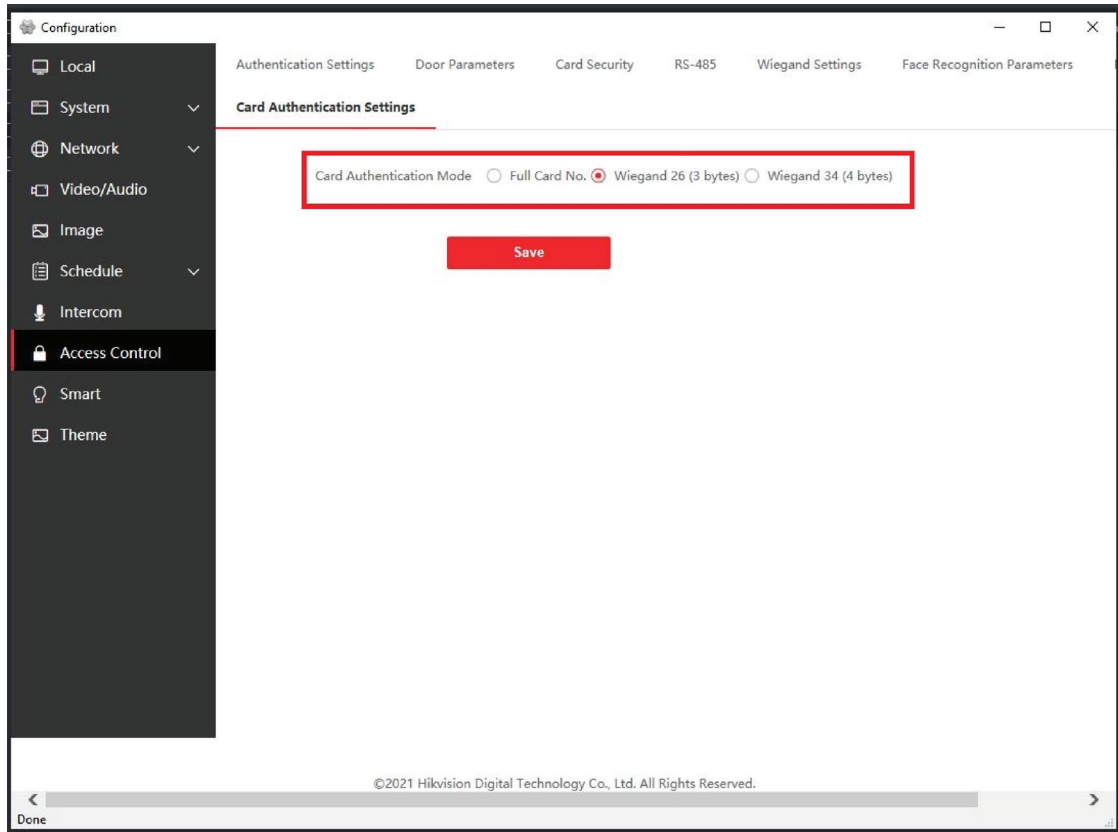
Step 2: Using iVMS4200, set recognition interval & authentication interval to 2 Seconds in the settings of the DS-K1T671M



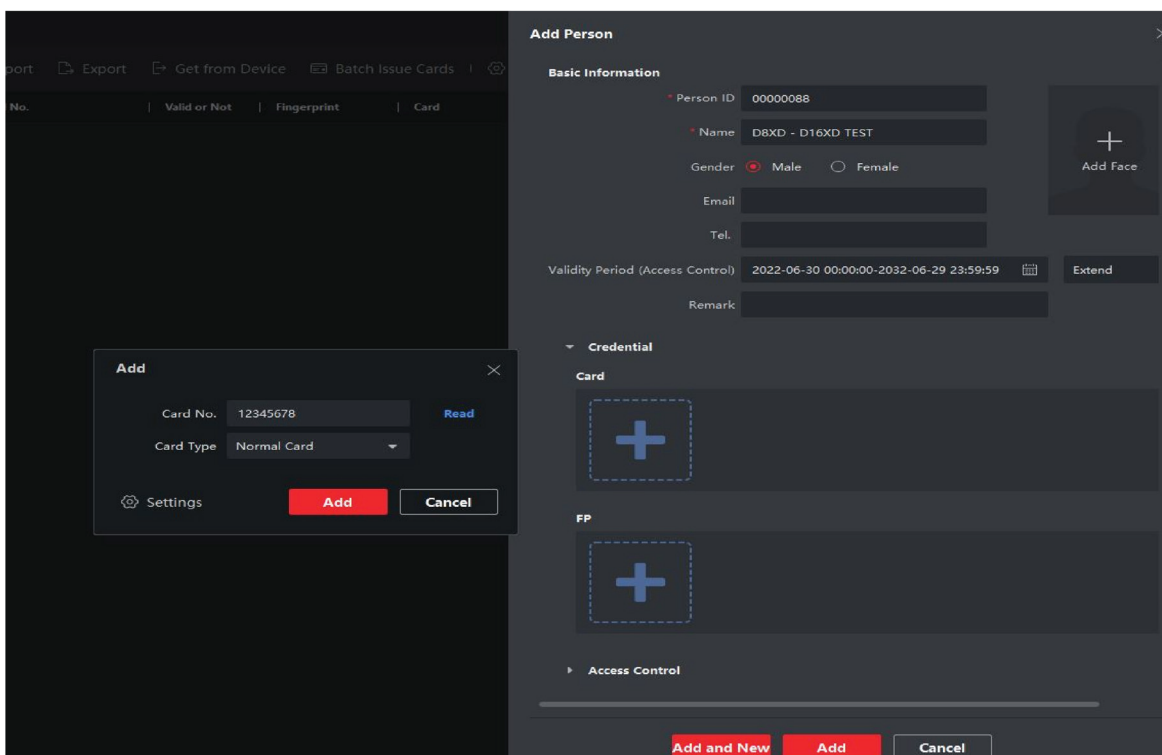
Step 3: Make sure you select Wiegand > output > Wiegand 26



Step 4: In Card Authentication Settings Wiegand 26 (3 bytes)



Step 5: In iVMS4200 add a Person/user, to the Access control & add a Card Number



Step 6: Upload a clean & clear photo of the users face.

Add Person

Basic Information

* Person ID: 00000089

* Name: DBXD - D16XD TEST

Gender: Male Female

Email: _____

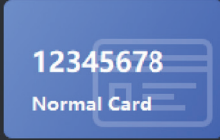

Tel.: _____

Validity Period (Access Control): 2022-07-01 00:00:00-2032-06-30 23:59:59 Extend


Remark: _____

Credential

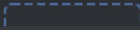
Card

FP

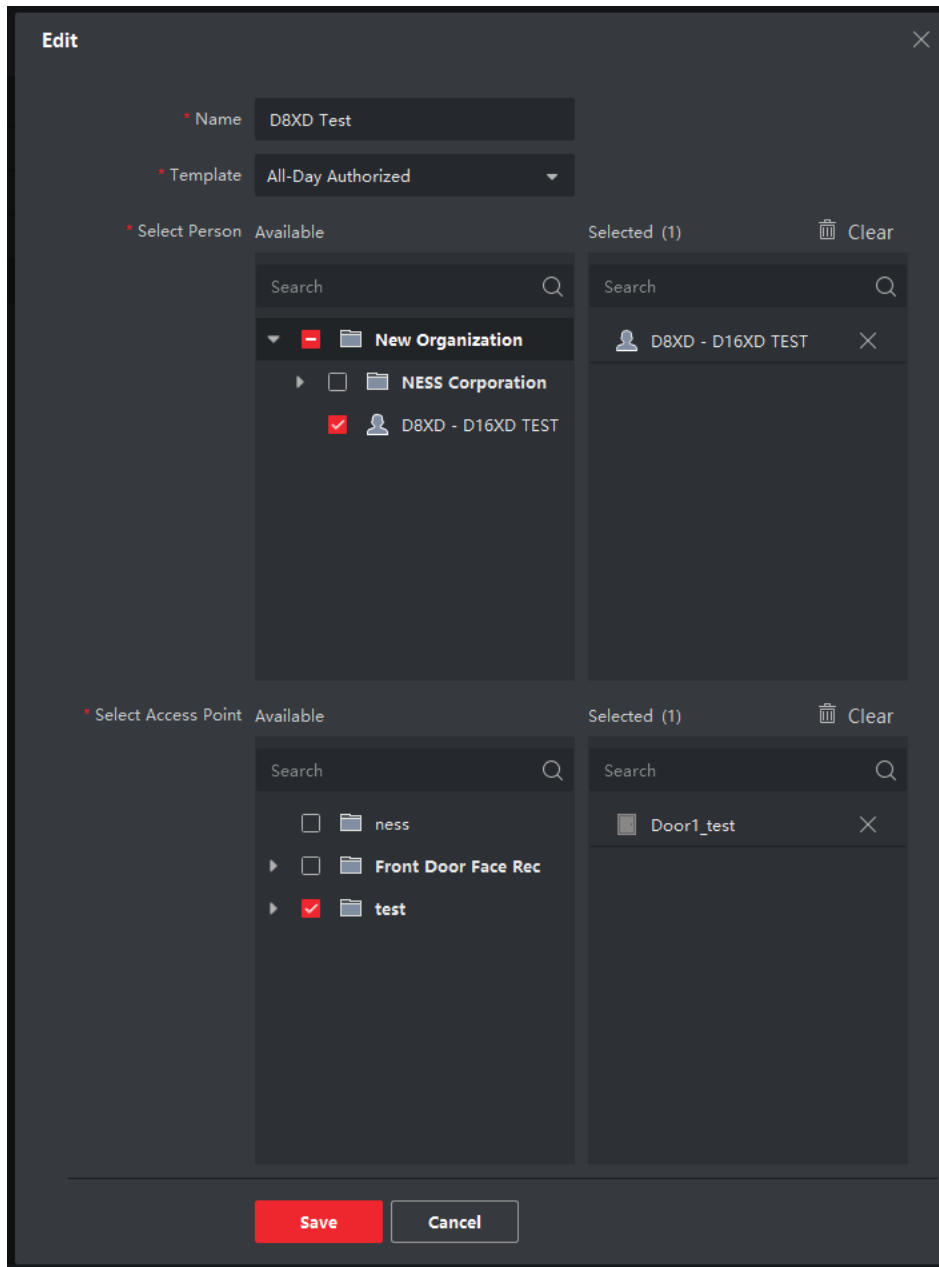


Iris



Add and New Add Cancel

Step 7: Create access rules for the schedule you would like the user to have access to.



Step 8: Setup the D8x/D16x panel to enrol a card. Eg: on Navigator keypad P123E , P000000E , P256E, Extra Code options, Reader code 1, Program Access Card. See manual for other keypads.

Once in enrolling mode, have the user look and trigger the face recognition terminal. The face recognition terminal sends card number data the D8x/D16x will store for that user.

Step 9: Refer to options P301E, P318E, P319E to assign the D8, as to what you would like the Face Rec to control.

Option No.	Description	Default
P301E	1E Use reader addresses	OFF
	2E Arm with double read	ON
	3E Arm with single read and pushbutton	OFF
	4E Disarm with access card	ON
	5E REX Input 1 (Zone 5 input)	OFF
	6E REX Input 2 (Zone 6 input)	OFF
	7E REX Input 3 (Zone 7 input)	OFF
	8E Strobe Flash on Arm/Disarm by Reader	ON

P318E [1E–8E] *Toggles the options.*

1E ON: Reader 1 output to **Aux1** (P121E 8E must also be on)

2E ON: Reader 1 output to **Aux2** (P122E 8E must also be on)

3E ON: Reader 1 output to **Aux3** (P123E 8E must also be on)

4E ON: Reader 1 output to **Aux4** (P124E 8E must also be on)

5E ON: Reader 1 output to **Aux5** (P151E 7E must also be on)

6E ON: Reader 1 output to **Aux6** (P152E 7E must also be on)

7E ON: Reader 1 output to **Aux7** (P153E 7E must also be on)

8E ON: Reader 1 output to **Aux8** (P154E 7E must also be on)

Step 10: Test and adjust parameters if necessary. On the above example, having the face rec terminal recognise the face once (1) it will DISARM the alarm (see option P301E 4E) and, having the face rec terminal recognise the face twice (2) in a row, it will ARM the alarm (option P301E 2E).

Notes:

**The photo of the face uploaded to IVMS 4200 must not exceed 200KB. Clear passport style photos are suggested.*

**Please be aware in the event of power outage, depletion of the back-up battery may be faster than normal. In this example the back-up battery serves both the alarm and facial recognition.*

**This guide is using IVMS4200 and is based off V3.7.1.5 build20220401.*