Setup Guide for:

104-984   Hikvision DS-K1T671M, Face Recognition Terminal
INTERFACING TO NESS M1

Face Recognition on a NESS M1

Using a Hikvision wiegand capable face recognition terminal and NESS M1 Gold, it is possible to arm and disarm the panel, trigger outputs and start rules.

Example and How to:

Products required for this configuration,

- M1 Gold panel

- 104-984 HIKVISION DS-K1T671M - Firmware V3.2.30 build 220210 at time of writing

- 101-245 - KAM Module or 101-256 - KP2 keypad

- 101-212 / 101-213 – output expander - Only if you are using the KP2 Keypad

HIKVISION DS-K1T671M (based on firmware V3.2.30 build 220210) Connected to a M1 Gold
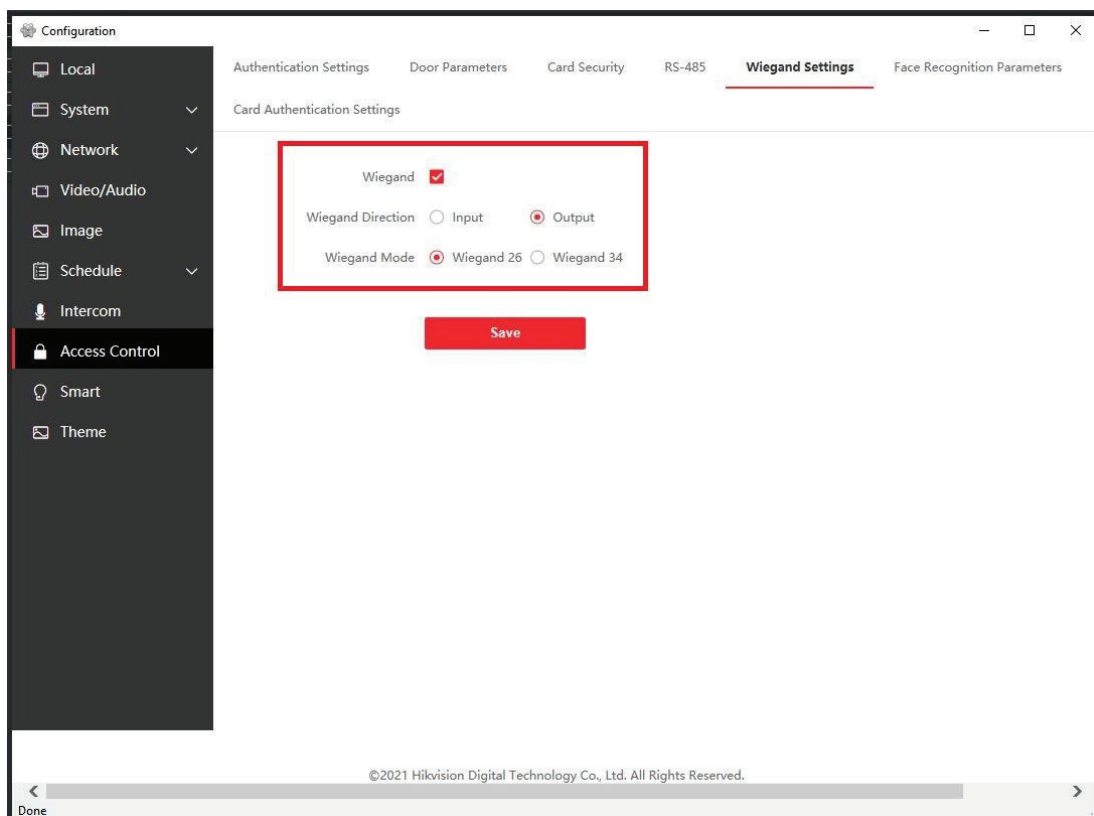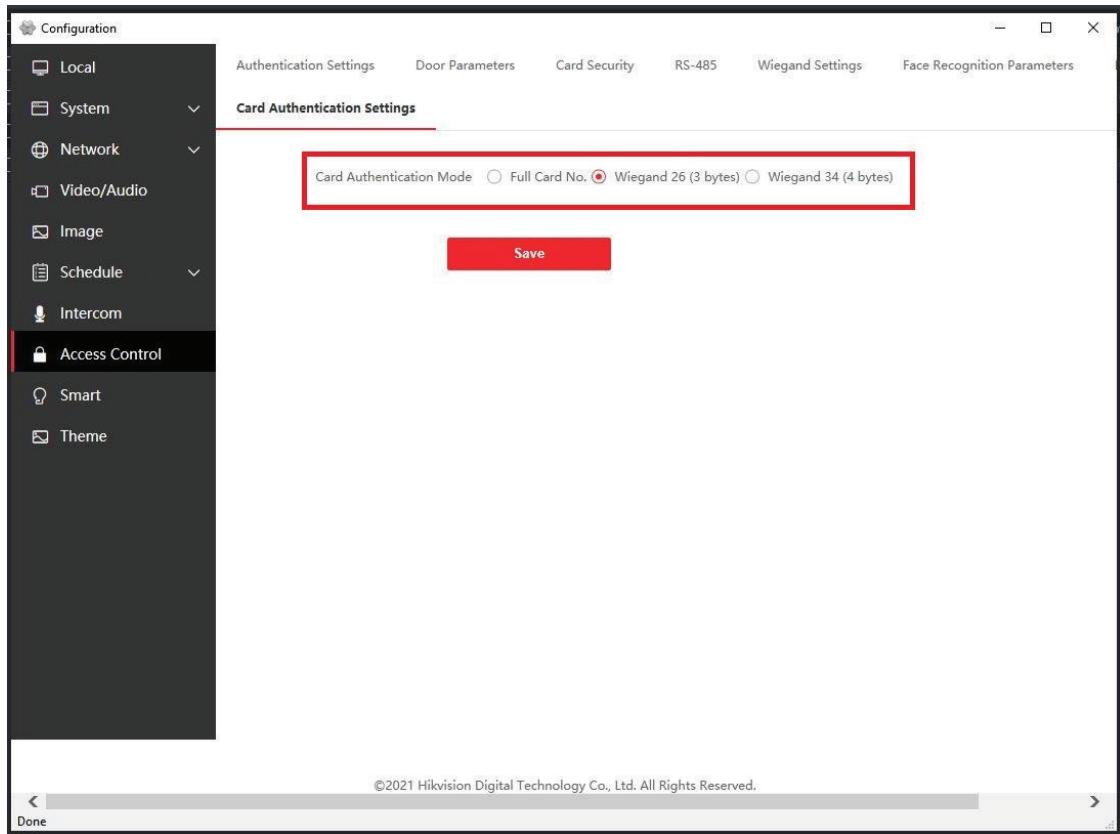
Step 1: Wire device as per below
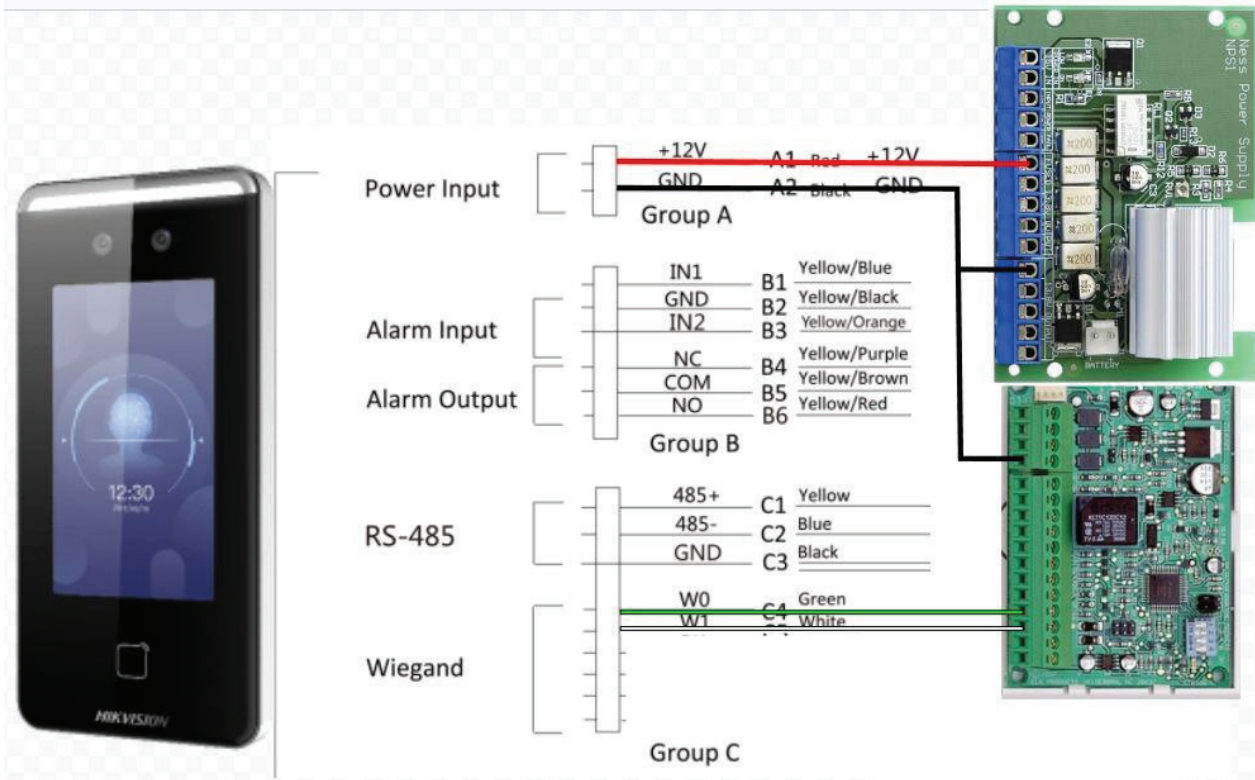
Step 2: Using iVMS4200, set recognition interval & authentication interval to 2 Seconds in the settings of the DS-K1T671M. Can be changed to 1 second if desired, unique to the M1.
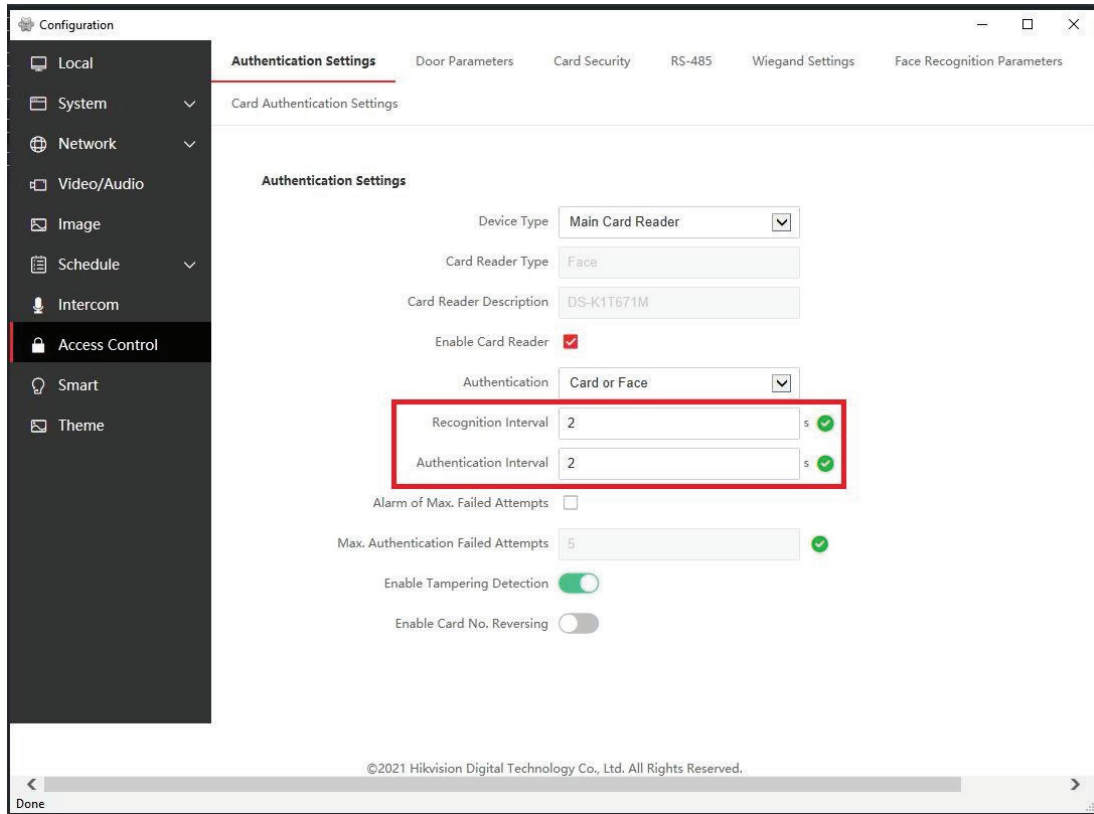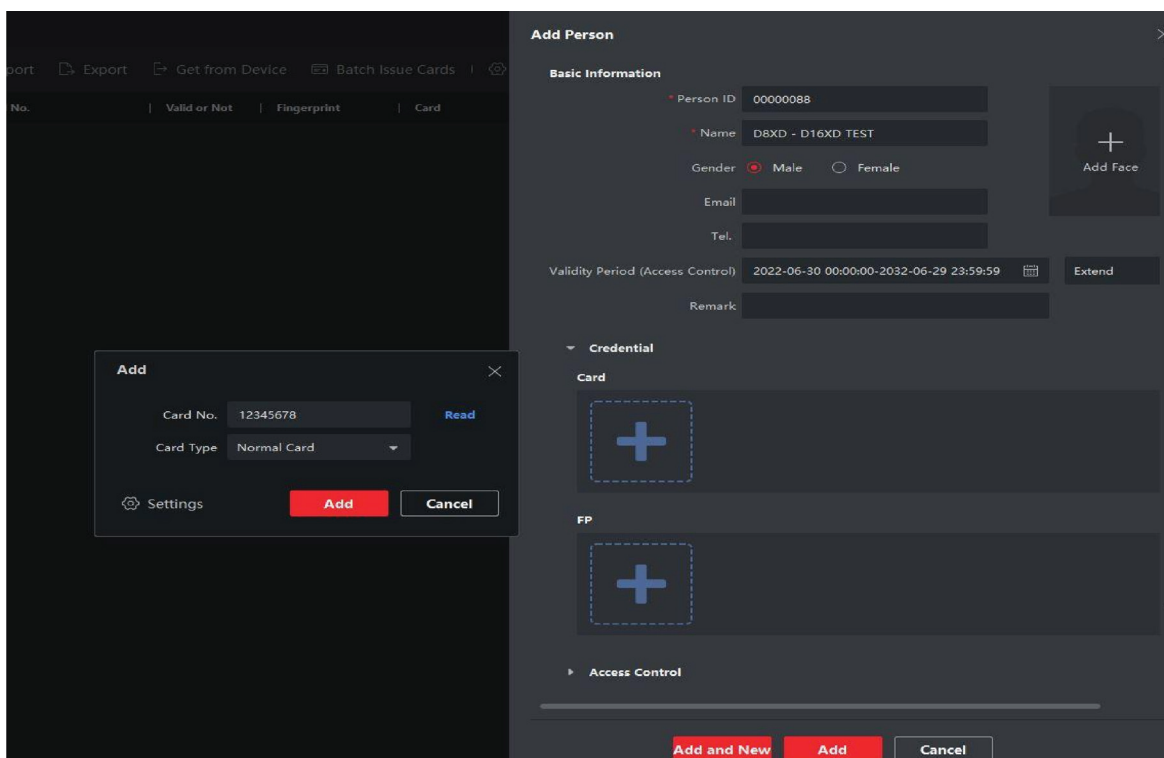

Step 3: Make sure you select Wiegand > output > Wiegand 26

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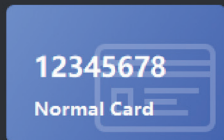
Step 7: Create access rules for the schedule you would like the user to have access to.

**Step 8:** Using Elk RP2 create a new user, tick the "User has access credential box" Set the site code to the card or PIN being used.. in this example the site (Facility) code is 123 and the card number being 45678

Step 9: Enter the Card / PIN number and a 12 Digit Hex number is then generated.. Tick the Access box and set the areas that the code will have access to.. Click Send to Control..

Step 10: Go to RULES in Elk RP2 software and create the following rule for simple access control. Click WHENEVER then Security/Alarms tab then Access tab.. A box will appear to set which keypad / KAM is the access point..

Step 11: Click THEN then Output On/Off tab then select the output assigned to the keypad / KAM module.. (see table below)
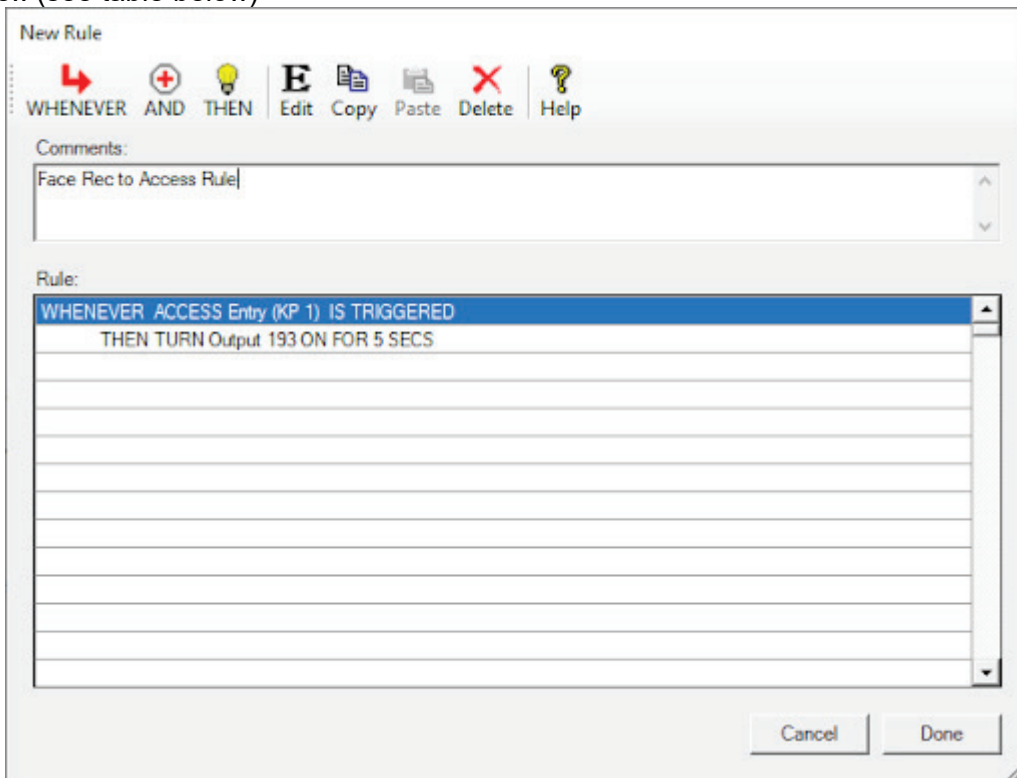
Keypad / KAM Address to Zone and Outputs
1 = Zone / Output 193 9 = Zone / Output 201
2 = Zone / Output 194 10= Zone / Output 202
3 = Zone / Output 195 11 = Zone / Output 203
4 = Zone / Output 196 12 = Zone / Output 204
5 = Zone / Output 197 13 = Zone / Output 205
6 = Zone / Output 198 14 = Zone / Output206
7 = Zone / Output 199 15 = Zone / Output 207
8 = Zone / Output 200 16 = Zone / Output 208

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.