

Turing Vision Quick Start Guide

Smart Series: IP Cameras and NVR Hardware Setup

Congratulations on your purchase of a Turing Vision surveillance platform. This guide will help you setup your hardware system for the first time.



TURING

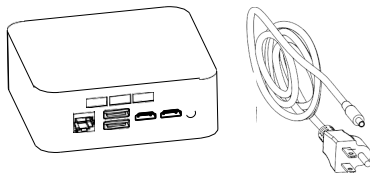


Components

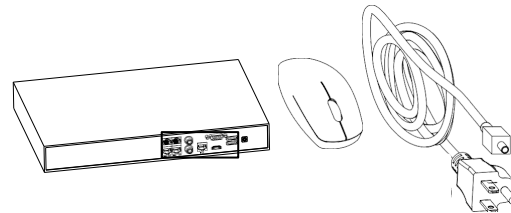
Congratulation on your purchase of the TURING Smart Series IP Cameras and NVR system.

This guide will help you setup the Turing Smart Series IP Cameras and NVR systems and get things running. Be sure to check to see that all parts are present. Note, some third-party components such as monitors, mice and keyboards can also be used with this system. If you encounter any problems, please visit www.turingvideo.com for additional support.

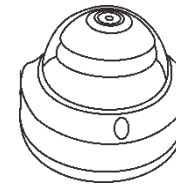
TURING VISION PRODUCTS



Turing Vision Bridge

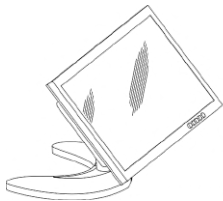


SMART Series NVR with Mouse

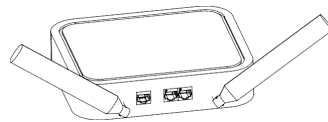


SMART Series: IP Camera(s)

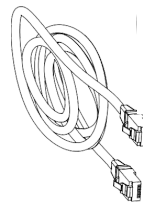
PERIPHERALS NEEDED (Not Included)



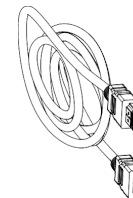
Monitor



Router - Optional
(Or Network with internet access)

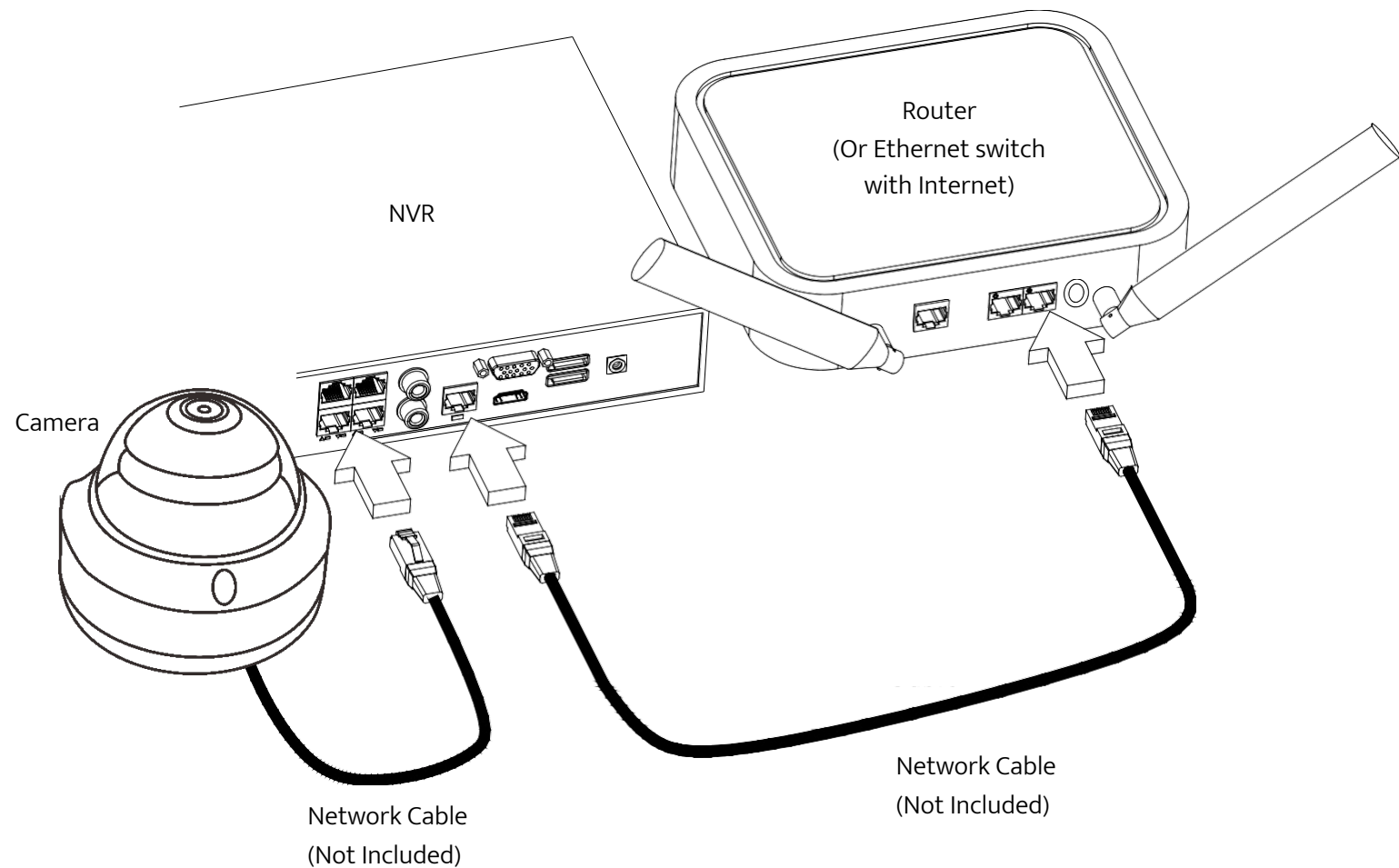


Network Cable (3)
CAT5/CAT6

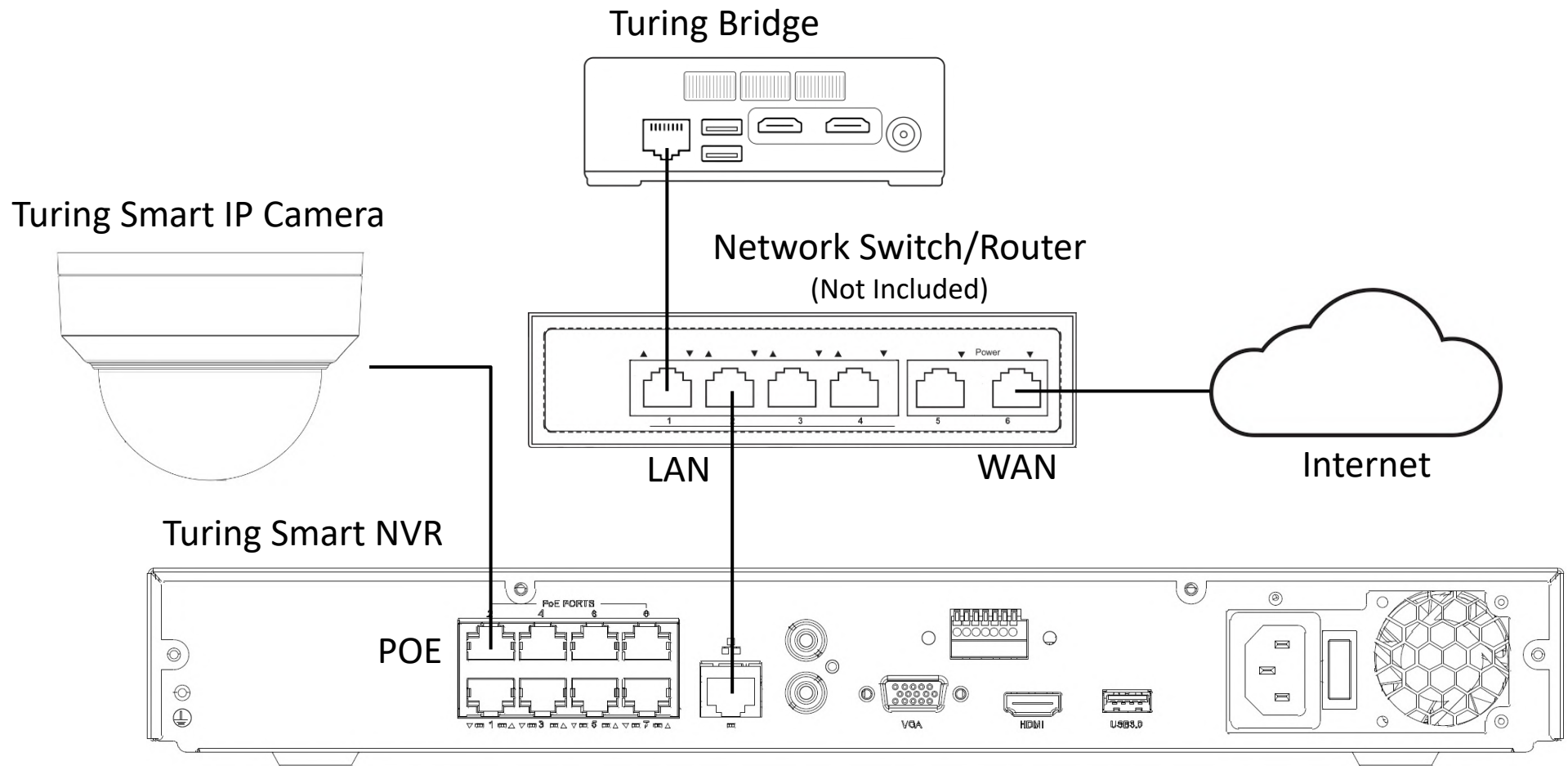


HDMI Cable
(or VGA Cable)

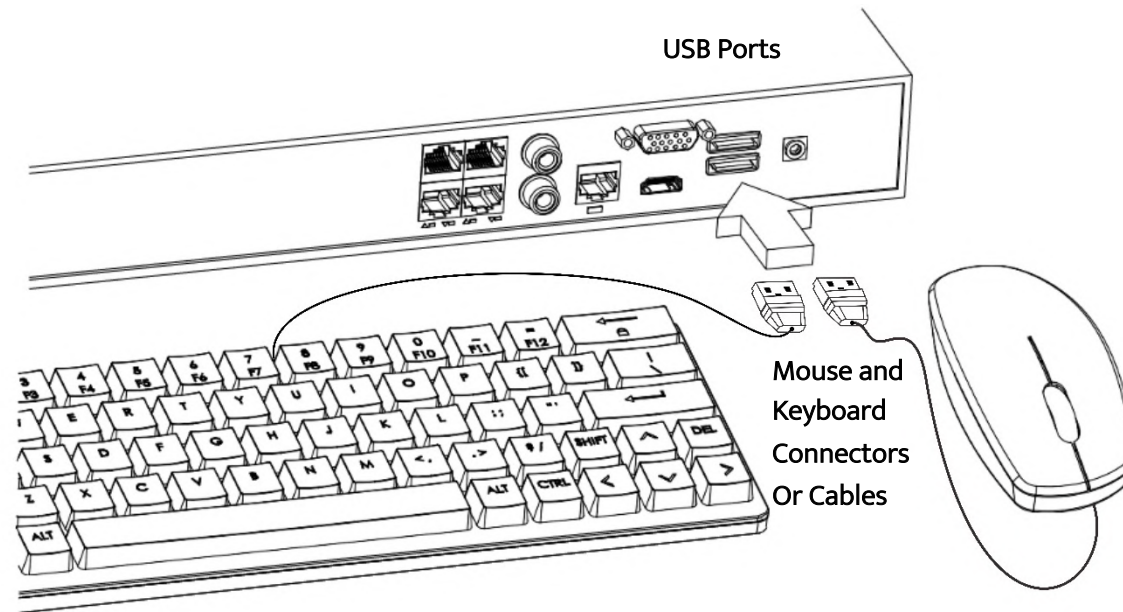
Connect Cameras and Router/Network to NVR



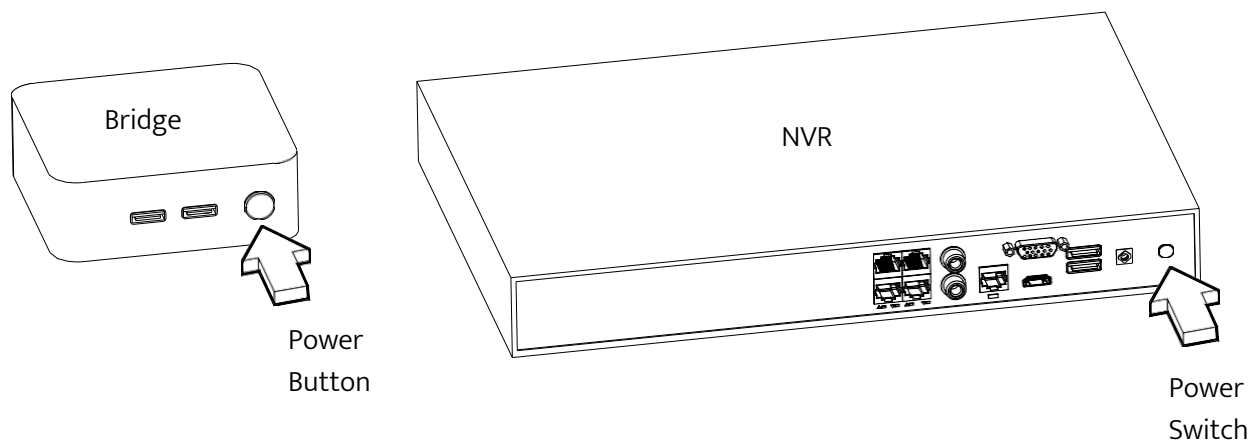
Connect Network to Turing Vision Cloud



Connect Mouse and Keyboard

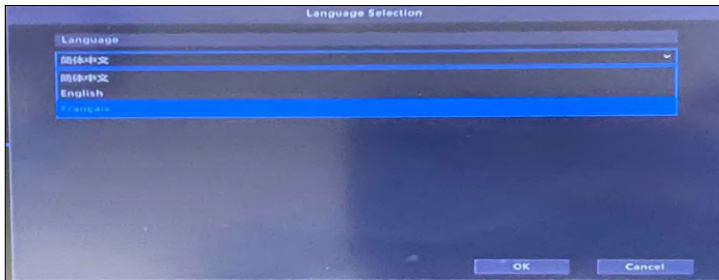


Turn on Components

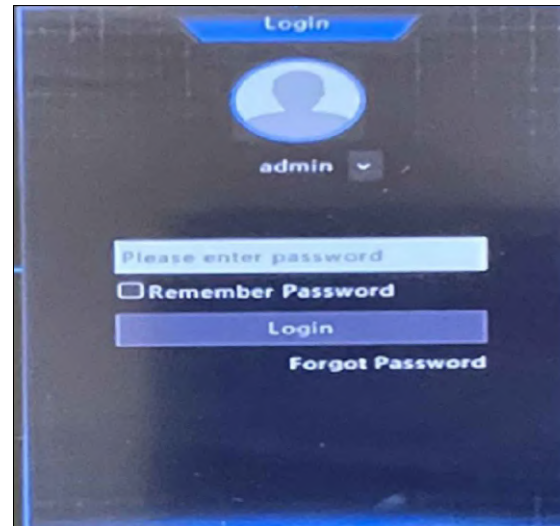


Logging in using Monitor

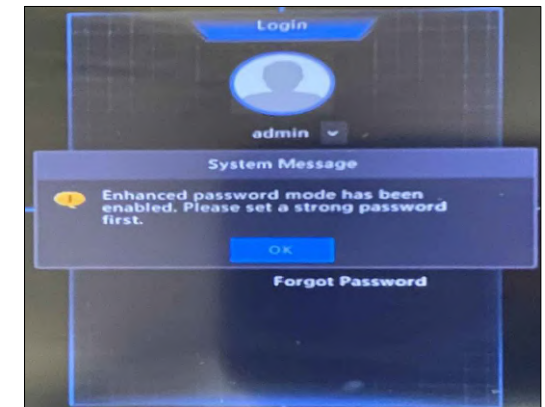
The next sections will assume you have some familiarity with computers and software. You can login to the NVR locally using the monitor provided, or remotely using a mobile device app or desktop computer connected to the Internet. We will first login using the monitor. Once the NVR is powered up the home screen will automatically request you to select a language.



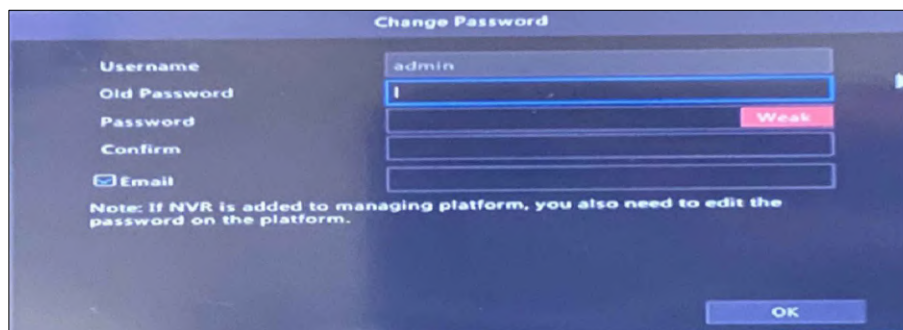
1) Choose a language, three are available: French, English and Chinese



2) When logging in for the first time, enter the default password 123456



3) You will now be redirected to the 'enhanced password mode' where you can enter your own personal password.



4) Enter a new password - it must contain the following characters:

- one upper case
- one lower case
- one number
- special character (*, \$, # etc.)

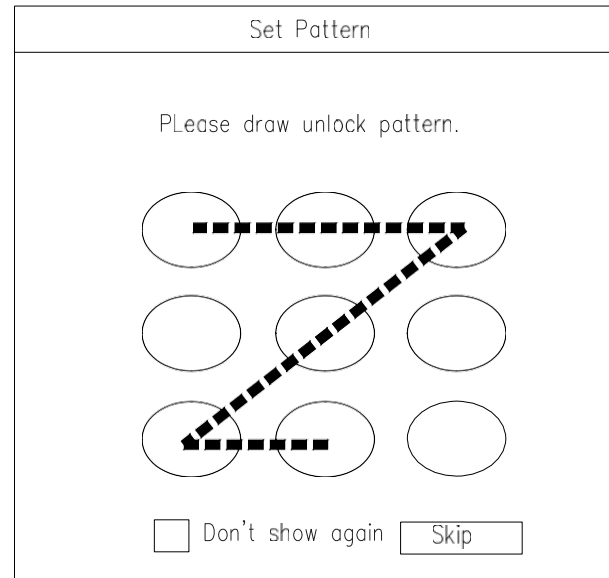
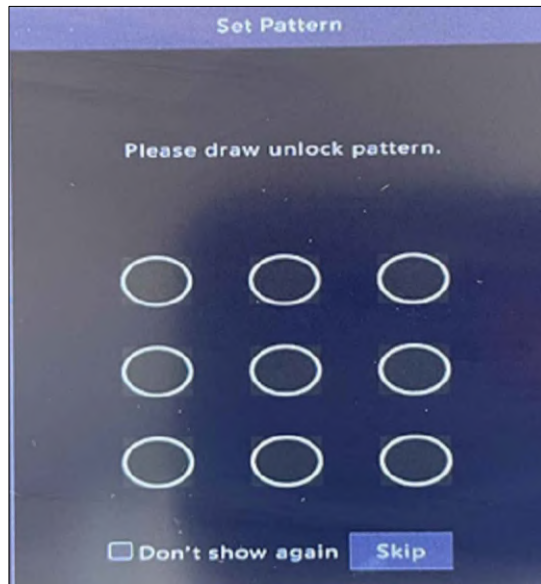
NOTE:

Email is optional and is used for resetting your password.

Logging in using Monitor (Cont.)

5) Set an unlock pattern for extra security
(this pattern can also be used in other menus within the system).

EXAMPLE:



Network Setting using Monitor



1) Adjust time and date.

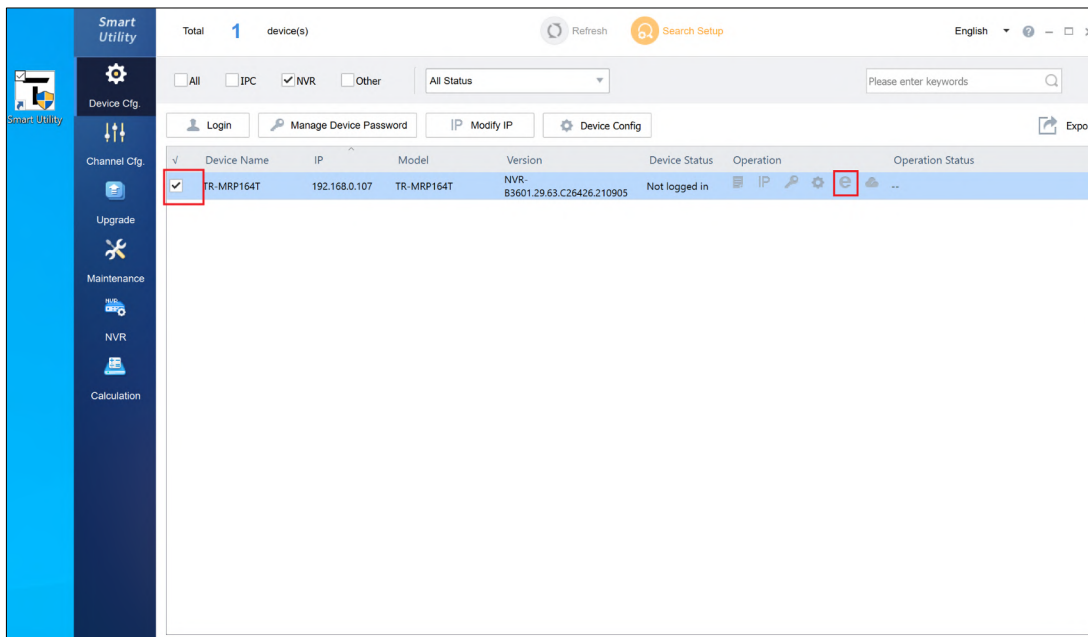
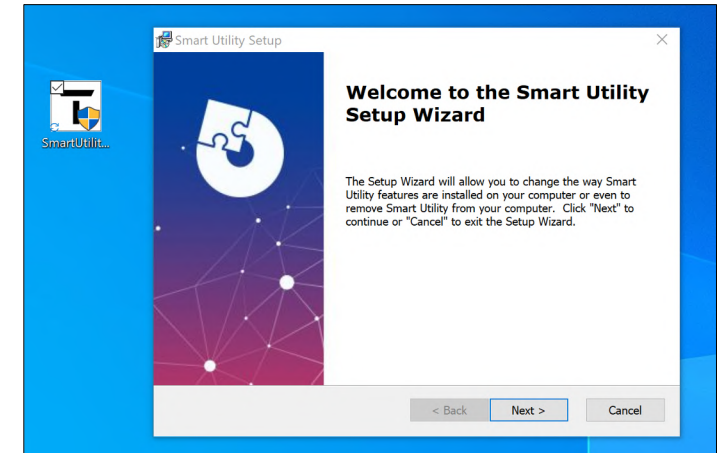


2) Setting up IP address

Setting up NVR Remotely

Use **Smart Utility** software to search and find NVR within the network.

Download and install software from link below: <https://turingvideo.com/software-download/>



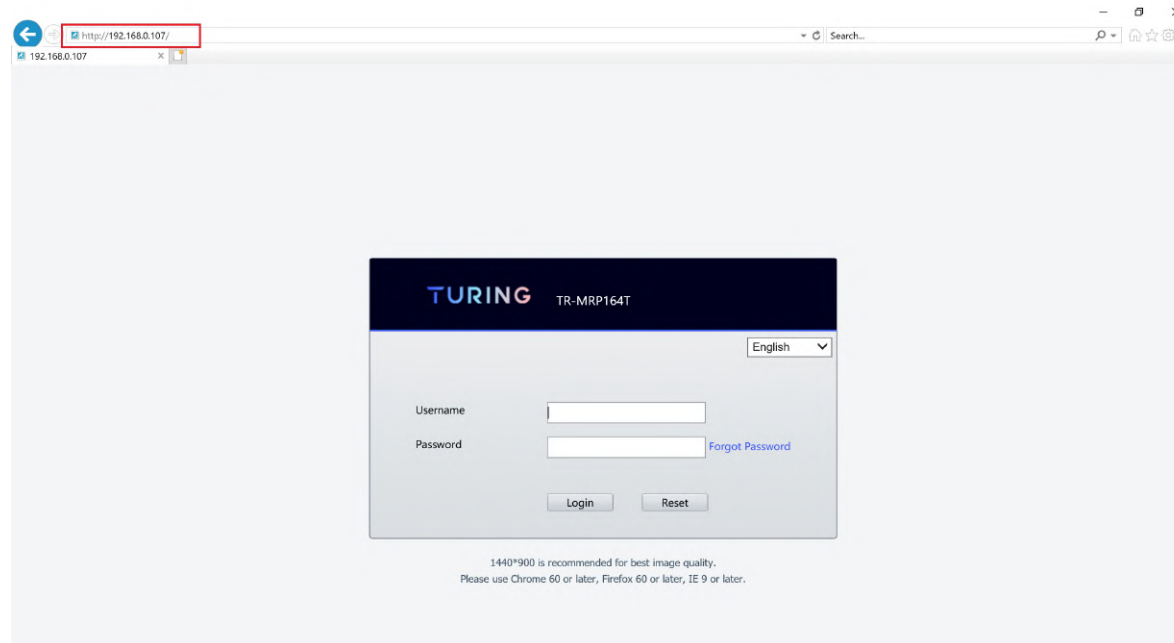
Once you have installed the software, it will automatically detect any devices connected to your local network. Double click on the “E” icon to access NVR’s web login.

Setting up NVR Remotely (Cont.)

Open any web browser and type in the IP address of the NVR into the search bar and a login for the NVR will appear. Enter the following:

Username: admin

Password: 123456



Create your new
Personal password.

Please change the password.

Old Password

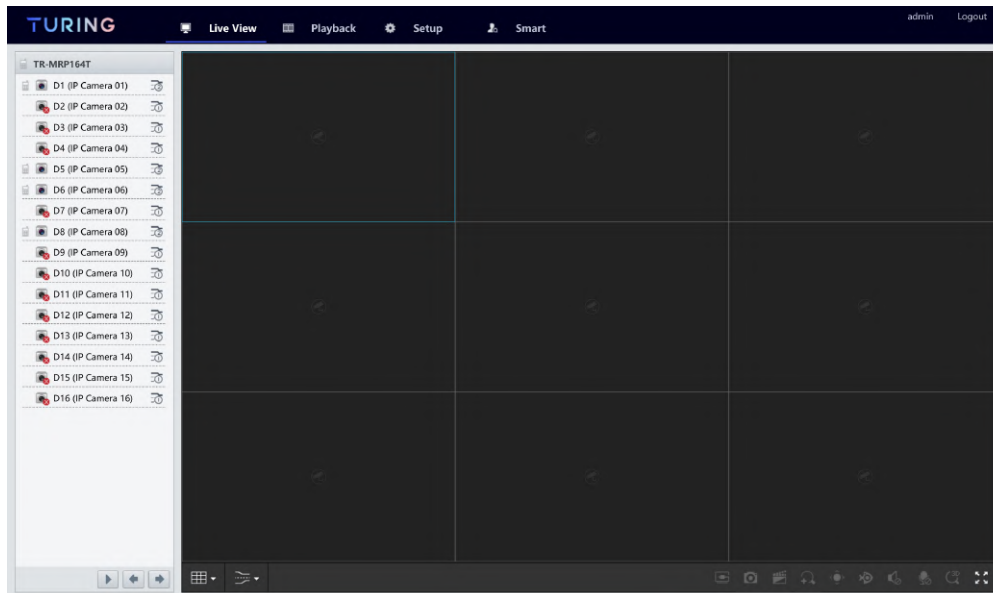
New Password

Confirm

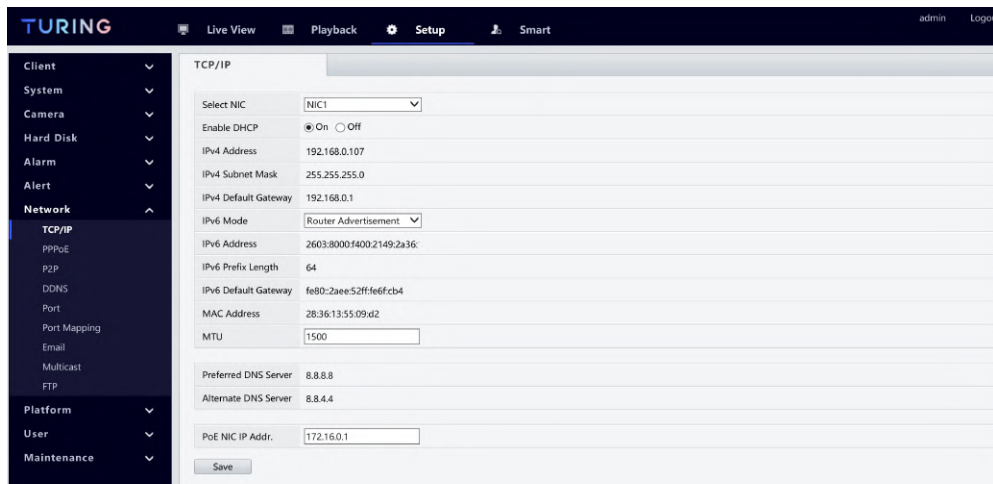
Note: If NVR is added to managing platform, you also need to edit the passw...

OK

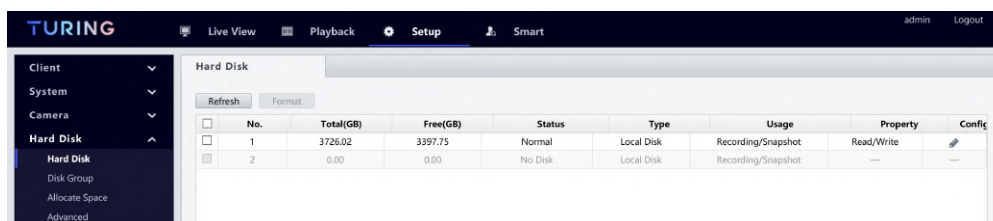
Setting up NVR Remotely (Cont.)



Once you have logged into the NVR you will see the NVR's home screen (similar to the monitor home screen). Select SETUP from the menu at the top to examine the NVR components.

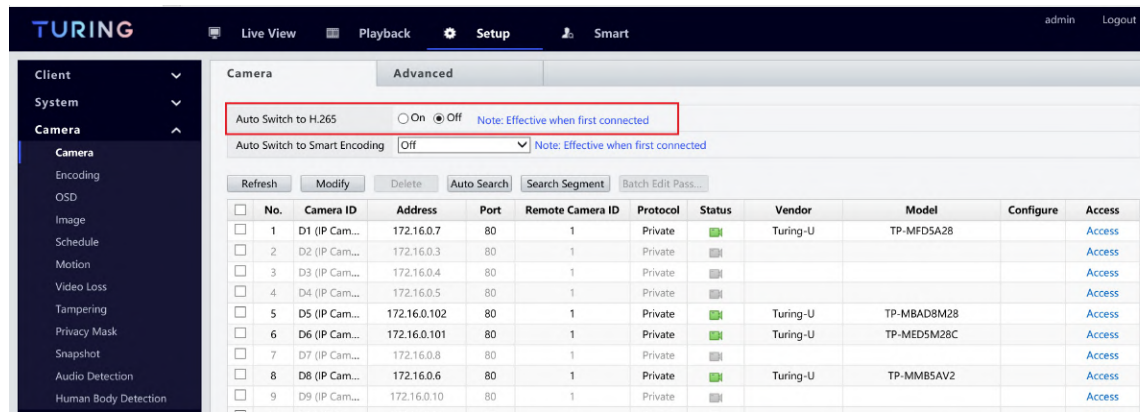


View details of the NVR components by selecting the categories on the left side menu (please note the NVR's IP address may be re-assigned automatically if you are using DHCP settings).



Like the monitor, you can also check any hard disks in the NVR and format any drives if needed.

Setting up IP Cameras Remotely



Select CAMERA on the side menu to view all cameras connected to the NVR. When adding new cameras, turn Auto Switch to H.265 OFF.

Refresh	Modify	Delete	Auto Search	Search Segment	Batch Edit Pass...						
☐	No.	Camera ID	Address	Port	Remote Camera ID	Protocol	Status	Vendor	Model	Configure	Access
☐	1	D1 (IP Camer...	172.16.0.12	80	1	Private		—	SC-2085WD-10-F28		Access
☐	2	D2 (IP Camer...	192.168.3.54	80	1	Private		—	SC-2085WD-10-F28		Access
☐	3	D3 (IP Camer...	172.16.0.10	80	1	ONVIF					Access
☐	4	D4 (IP Camer...	172.16.0.5	80	1	ONVIF					Access
☐	5	D5 (IP Camer...	172.16.0.6	80	1	ONVIF					Access
☐	6	D6 (IP Camer...	172.16.0.7	80	1	ONVIF					Access
☒	7	D7 (IP Camer...	172.16.0.8	80	1	ONVIF					Access
☐	8	D8 (IP Camer...	172.16.0.102	80	1	Private		—	SC-2085WD-10-F28		Access

When installing new cameras, the protocols need to be PRIVATE. To change these protocols, perform the following:

1. Check the camera box number to change;
2. Select MODIFY;
3. Change Add Mode to IP ADDRESS
4. Change Protocol to PRIVATE;
5. Enter camera's existing password; and
6. Select SAVE on the bottom.

Camera

Advanced

Add Mode
IP Address

Protocol
Private

IP Address
172.16.0.12

Port
80

Username
admin

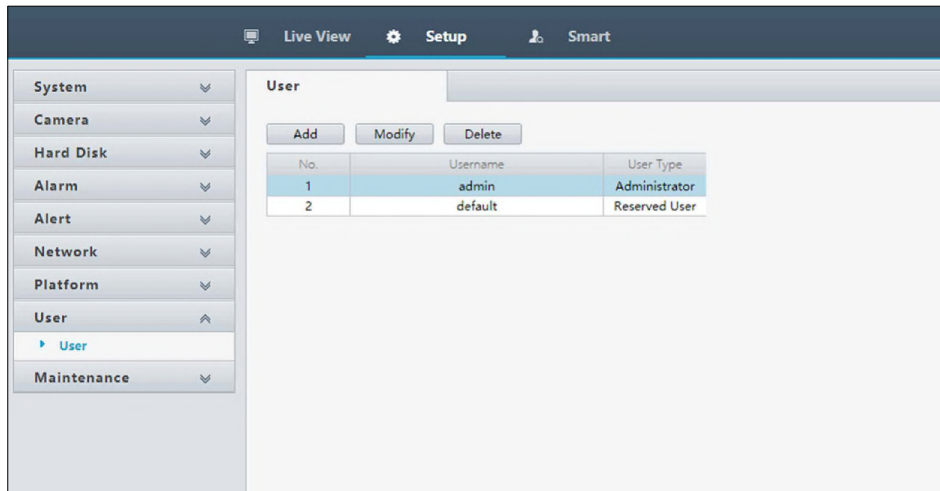
Password
•••••

Remote Camera ID
1

Extended Transmission
On Off

Search Save Cancel

Assign Passwords Remotely

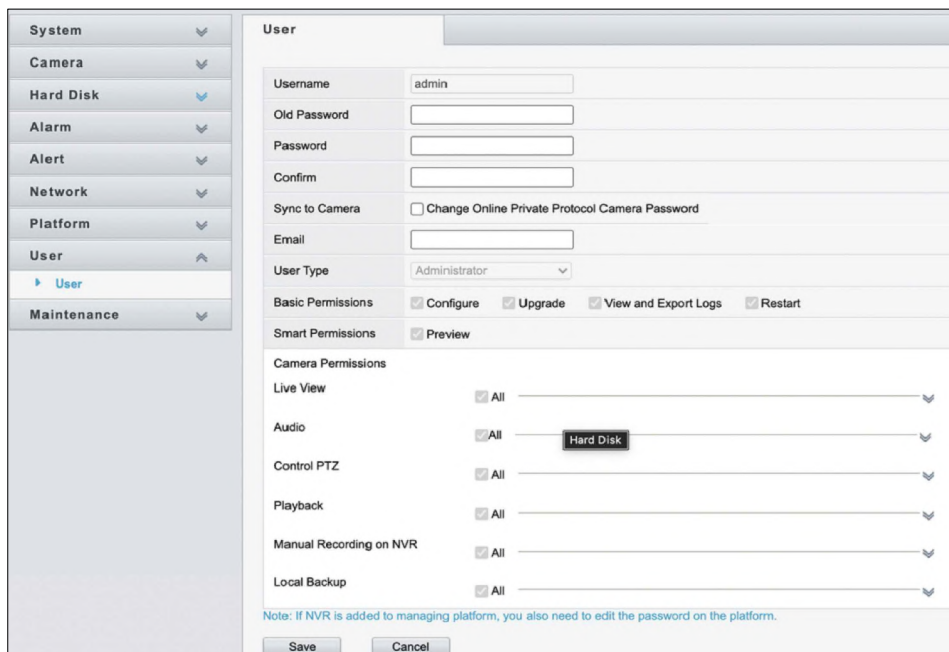


To assign users a password perform the following:

1. Change into the System on the Side Menu;
2. Select USER;
3. Choose a user to assign a password to from the list;
4. Select CHANGE PASSWORD and enter a new password for user. (must include numbers and special characters)

NOTE:

This feature is only available to cameras with PRIVATE protocol settings. The Sync to Camera option allows passwords to be applied to cameras



Syncing Time Remotely

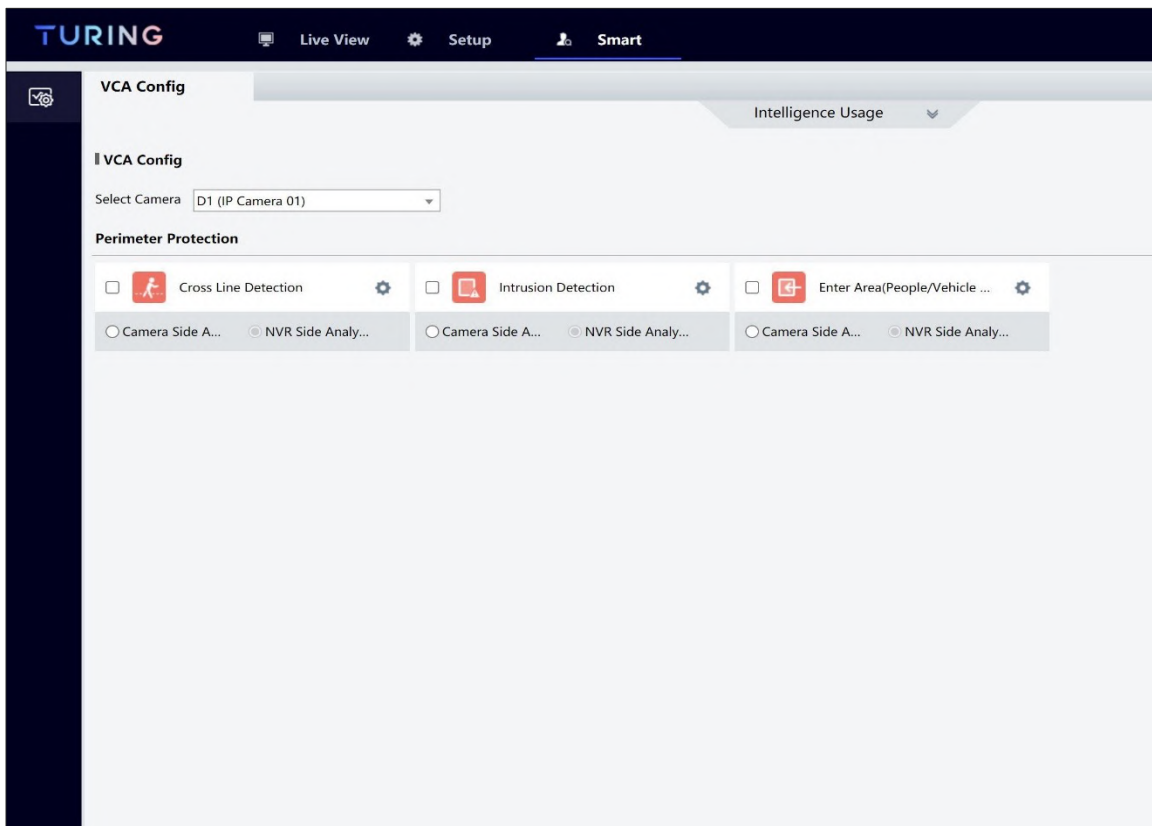
Time Zone	(UTC-08:00) Pacific Standard Time(Los Ange
Auto Update	☒ On ☐ Off
Date Format	YYYY-MM-DD
Time Format	24-hour
System Time	2021-08-06 11:48:49
NTP Server Address	time.windows.com
NTP Port	123
Update Interval(s)	10m
<button>Save</button>	

Time Zone	(UTC-08:00) Pacific Standard Time(Los Ange
Auto Update	☒ On ☐ Off
Date Format	YYYY-MM-DD
Time Format	24-hour
System Time	2021-08-06 11:48:49
NTP Server Address	
NTP Port	123
Update Interval(s)	10m
<button>Save</button>	

To sync the NVR time, perform the following:

1. Select Auto Update ON;
2. Enter TIME.WINDOWS.COM into the NTP Server Address box;
3. Enter 123 into the NTP Port box.

Setup Algorithms Remotely



To utilize algorithms available for your NVR, perform the following:

1. Select the SMART tab on the top menu;
2. Select camera from the pull-down menu;
3. Under Perimeter Protection select INTRUSION DETECTION and ENTER AREA.
4. Back under the VCA CONFIG heading, select the gear icons to apply algorithms. For this example, select the ENTER AREA.

Note: Cross Line detection algorithms set in the IP cameras are not included as events in the current version of Turing Vision.

Setup Algorithms Remotely (cont.)

5. Draw four points around an object on the camera view;
6. Select the FINISH DRAWING icon;
7. Click the PEDESTRIAN snapshot;
8. Select save at the bottom to save the settings;
9. Repeat steps 4-8 for INTRUSION DETECTION algorithm.



Tips for Using Algorithms

When drawing detection zones around camera areas, be sure to outline similar areas with a similar shape to maintain accuracy and rule out false alarms.

EXAMPLE OF POOR DRAWINGS



ENTER AREA



INTRUSION DETECTION

Notice how the detection zones are very different - this condition may lead to false alarms.

EXAMPLE OF GOOD DRAWINGS



ENTER AREA



INTRUSION DETECTION

Notice how the detection zones are very similar - this condition will rule out false alarms.

Setting up the Software Component



Scan the QR code to view the Software User Guides:

1. To add cameras to your account, follow instructions on Quick Start Guide (**Mobile Version**).
2. To setup notification and alerts, follow instructions on Quick Start Guide (**Web Version**).



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