BOSCH AutoDome 7000 HD

This Standard Operating Procedure is to provide a standard configuration for CCTV cameras in District 5 for consistent operation in SunGuide, VLC and IVEDDS. Standard settings to check: Network settings, Video/Encoder settings, SNTP (time server type), IP addresses, PTZ settings, Date and Time, RTSP port, NTCIP (port and address), and On Screen Display (ODS).

The following SOP is for the BOSCH AutoDome 7000 HD (7230) IP camera.

Log into the camera, using Internet Explorer or Chrome to access the camera's user interface. Type in the default IP address.



Enter the following:

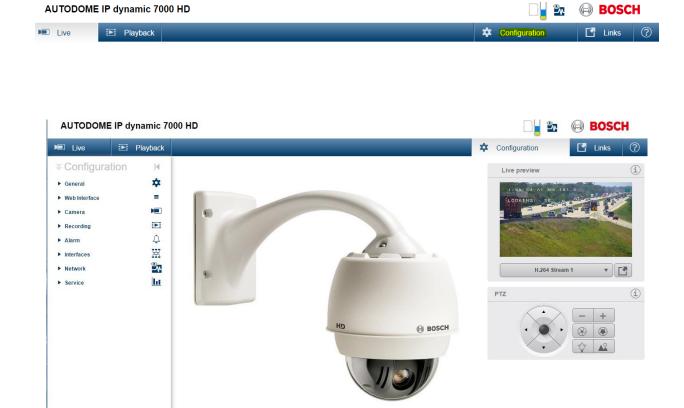
Enter the user name: <service>

Enter the password: <Default>

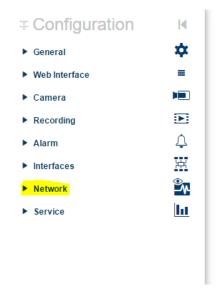
| User | |
|------------------|----------------|
| User name | service |
| Group | service ▼ |
| Password | |
| Confirm password | |
| | Cancel Set Set |



Click on "Configuration".



Click on "Network".



Click on "Network Access".



NOTE: Click Set/SAVE after every configuration setting for that window before moving to the next menu item.

1. Network settings:

Set the following parameters for the "Network Access".

DHCP is disabled <Off>

IP address <10.X.X.X>

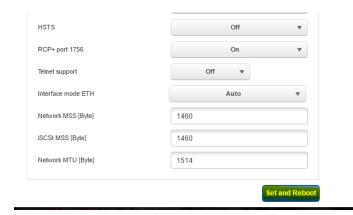
Subnet mask <255.255.255.X>

Gateway <10.X.X.X>

Network Access



Click "Set and Reboot".



After Reboot, log into the camera, use Internet Explorer or Chrome to access the camera's user interface. Type in the assigned IP address.



Enter the following:

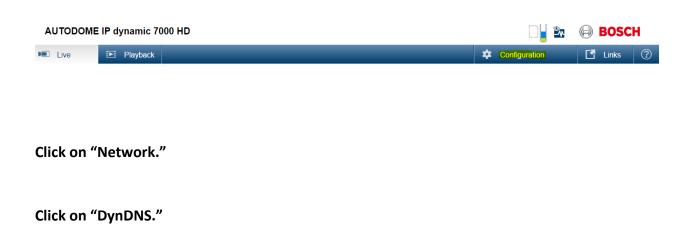
Enter the user name: <service>

Enter the password: <Default>



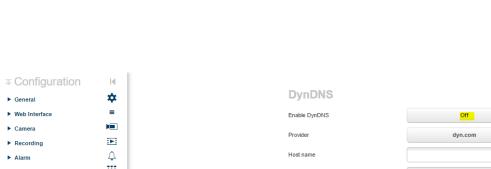
Click "OK".

Click on "Configuration".

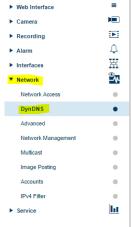


Set the following parameters for the "DynDNS" setting.

DynDNS is disabled



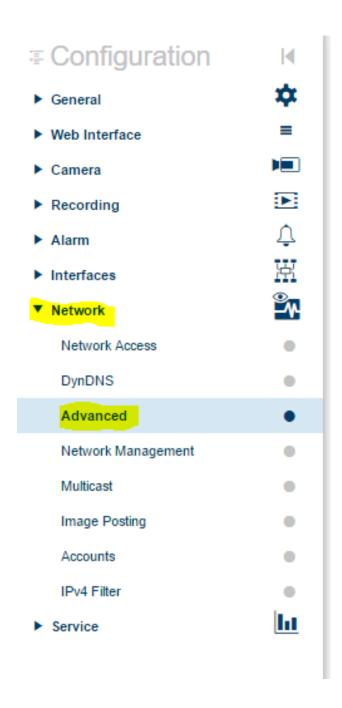
<Off>





Click on "Network."

Click on "Advanced."



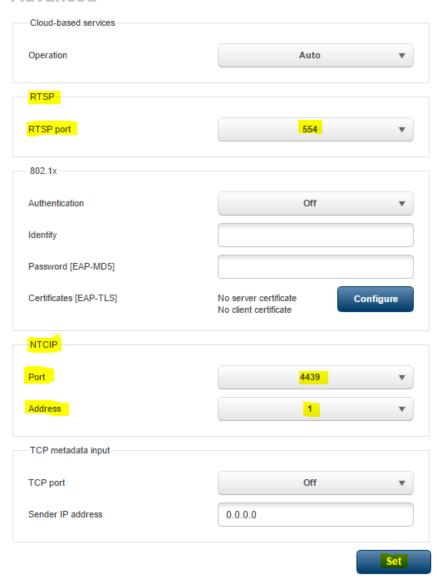
Set the following parameters for the "Advanced" setting.

RTSP Port: < 554 >

NTCIP Port: < 4439 >

NTCIP Address: <1>

Advanced



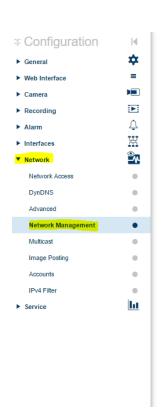
Click on "Network".

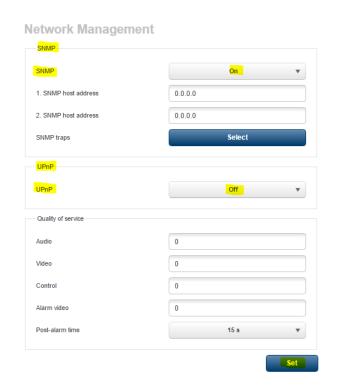
Click on "Network Management".

Set the following parameters for the "Network Management" setting.

SNMP: < On >

UPnP: < Off >





Click on "Network."

Click on "Multicast"

Set the following parameters for the "Multicast" setting Stream 1 and Stream 2.

Enable: < check box >

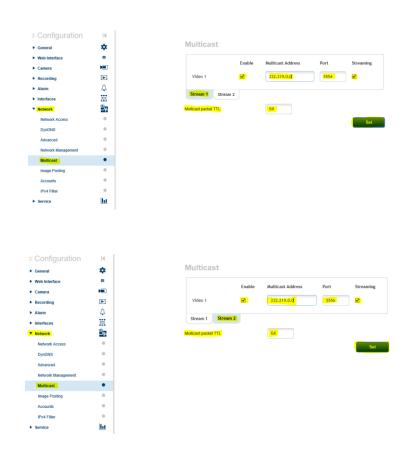
Multicast Address: < If provided 232.219.X.X >

Port: (Stream 1) < 5554 >, (Stream 2) < 5556 >

Streaming: < check box >

Multicast packet TTL: < 64 >

(NOTE: The same multicast IP is used for both stream 1 and stream2)



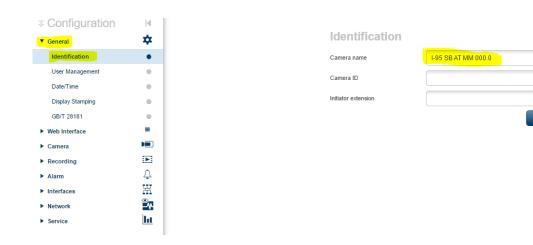
Click on "General".

Click on "Identification".

Type the Camera Name or Camera Location.

Camera name: <Example: I-95 NB AT MM 000.0>

Camera name: <Example: SR 50 at JYP>



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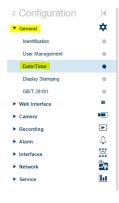
Click "Set".

Click "Date/Time". Set the following parameters for the "Date/Time".

Date format: < MM/DD/YYYY>

Device Time Zone: < Select (UTC -5:00) Eastern Time >

Device Time format: < Select Sync to PC >



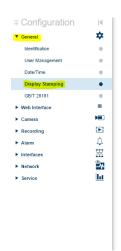


Click "Set".

Click "Display Stamping". Set the following parameters for the "Display Stamping".

Camera name stamping: < Top>

Camera OSD: < On >



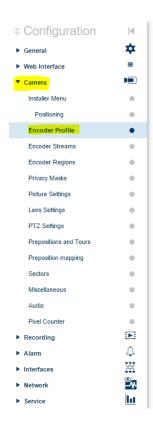


Click "Set".

2. Camera Video/Encoder settings:

Click on "Camera".

Click on "Encoder Profile".





Click on "Profile 6".

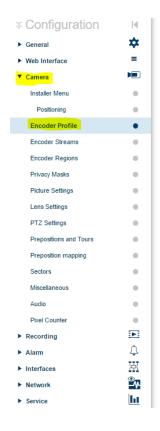
Set the following parameters for the **Profile 6** Tab.

Profile name: < iVEDDS >

Target bit rate: < 500 kbps>

Maximum bit rate: < 1100 kbps>

Video resolution: < 240p >





Click "Set".

Click on "Profile 8".

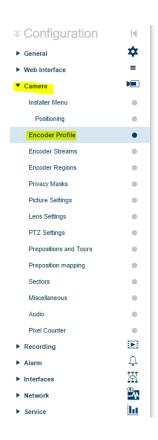
Set the following parameters for the **Profile 8** Tab.

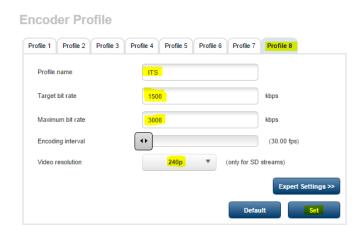
Profile name: < ITS >

Target bit rate: < 1500 kbps>

Maximum bit rate: < 3000 kbps>

Video resolution: < 240p >





Click on "Encoder Streams".

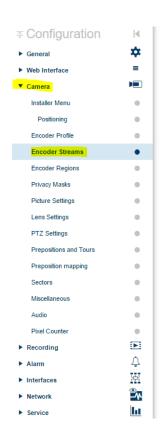
Set the following parameters for the "Encoder Streams".

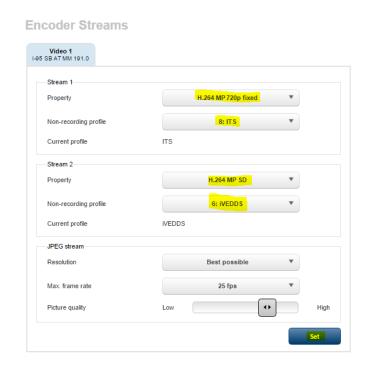
Property Stream 1: < H.264 MP 720p25/30fixed >

Non-recording profile: < 8: ITS >

Property Stream 2: < H.264 MP SD >

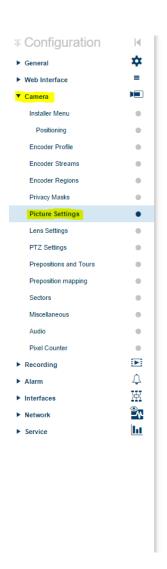
Non-recording profile: < 6: iVEDDS >

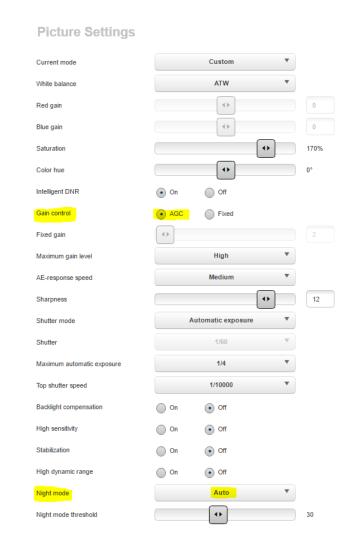




Click on "Picture Settings".

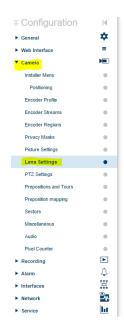
Ensure that the following parameters for the "Picture Settings" are set.

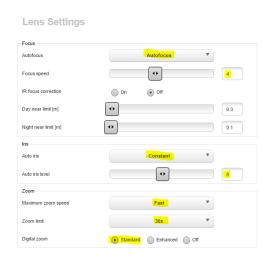




Click on "Lens Settings".

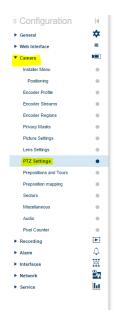
Ensure that the following parameters for the "Lens Settings" are set.

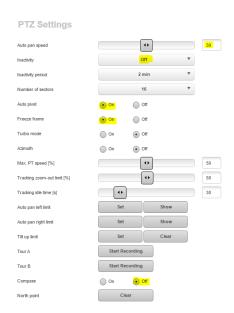




Click on "PTZ Settings".

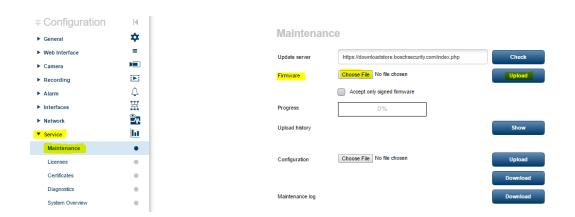
Ensure that the following parameters for the "PTZ Settings" are set.





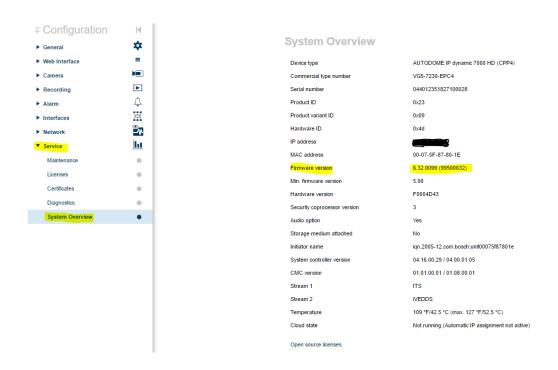
Click on "Service".

Click on "Maintenance". Browse and Upload the provided Firmware file for the camera.



Click on "Service".

Click on "System Overview". Check the System to see if the Firmware was loaded.



Click on Live and PTZ camera.



Log out of camera.