SOP for CCTVs in SunGuide

TKH SIQURA HSD626

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).
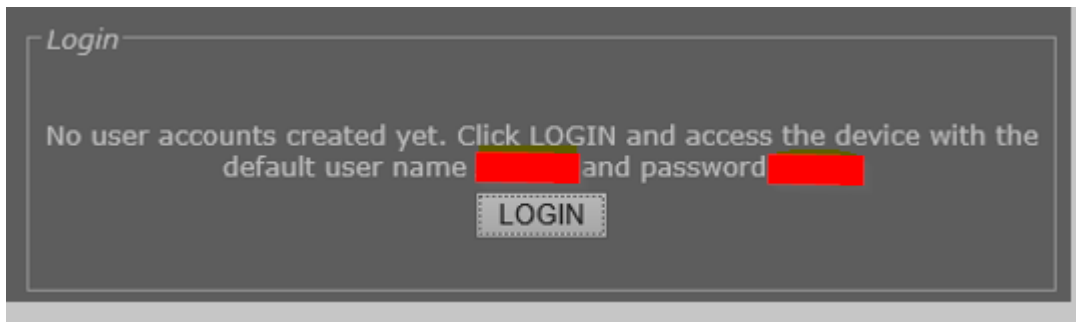
The following SOP is for the THK Siqura HSD626 IP camera.

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:

Default user name: <Call ITS>

Default password: <Call ITS>

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

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Click on "Network".

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1. **Network settings**:

Set the following parameters for the Network.

Host name	<Cabinet Label>
IP address	<10.32.X.X>
Subnet mask	<255.255.255.X>
Gateway	<10.32.X.X>

Network

Network Settings

Hostname: Cabinet Label
IP address: 10.0.0.0
Subnet mask: 255.255.255.0
Gateway: 10.0.0.0
To activate the network settings, click "Save and Reboot".
Note: After reboot, the connection will be lost!

Advanced >>

Save and Reboot   Cancel

Click on the "Advanced" button.

Advanced >>

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Set the following parameters for the Network.

> *RTSP server is enabled:*   <Check box>
>
> *RTSP server port:*   <554> (default)
>
> *DHCP is disabled:*   <Unchecked box>

Network

Network Settings

Hostname:	Cabinet Label
IP address:	10.32.0.0
Subnet mask:	255.255.255.0
Gateway:	10.32.0.0

To activate the network settings, click "Save and Reboot".
Note: After reboot, the connection will be lost!

`<< Simplified`

Advanced Settings

Services

RTSP server enable:	☑
RTSP server port:	554

Network

DHCP enable:	☐
Ethernet mode:	Auto
MTU size:	Ethernet (1500)

`Save and Reboot`   `Cancel`

Click SAVE and Reboot.

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

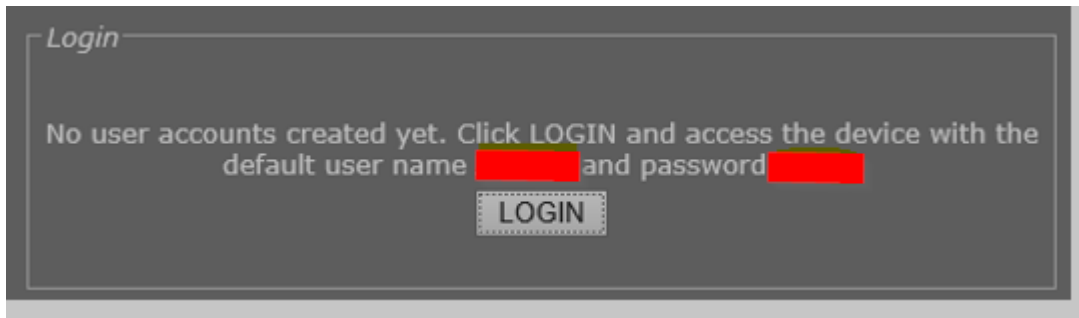http://0.0.0.0/   HSD626/N Configuration ::.   ✕

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Enter the following:

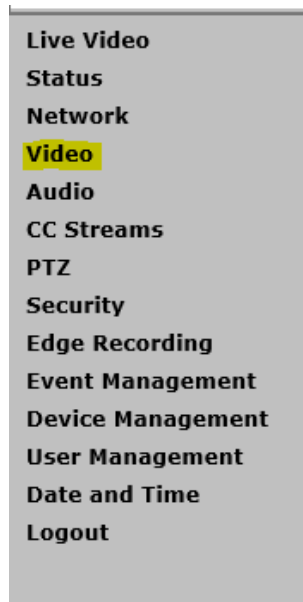*Default user name:*   <Call ITS if needed>

Default password: <Call ITS if needed>

Click on "Video".

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2. **Encoder/Video settings**:

   Set the following parameters for the "General" tab.

   Video setting

   Camera module configuration

   Encoder Priorities

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Click SAVE.
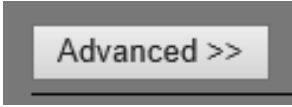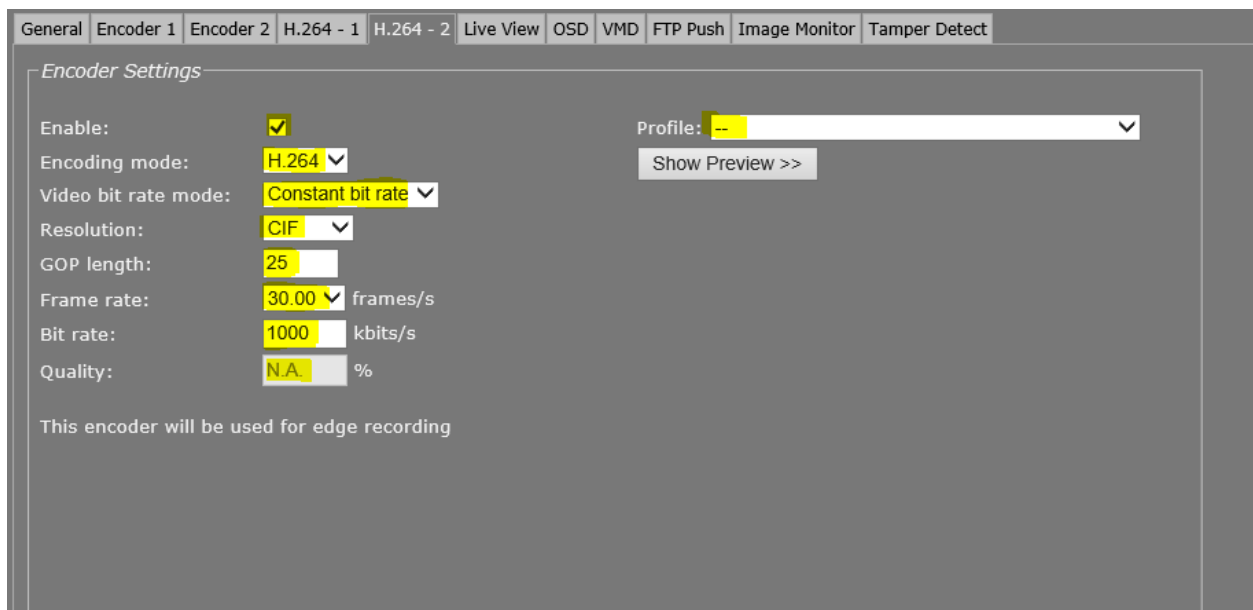
Set the following parameters for the "H.264- 1" tab.

**Match the image below for all of the fields**.

Enable: <Check box>

Encoding mode: <H.264>

Video bit rate mode: <Constant bit rate>

Resolution: <4 CIF>

GOP length: <25>

Frame rate: <30.00 frames/s>

Bit rate: <3500   kbits/s>

Quality: <N.A. %>
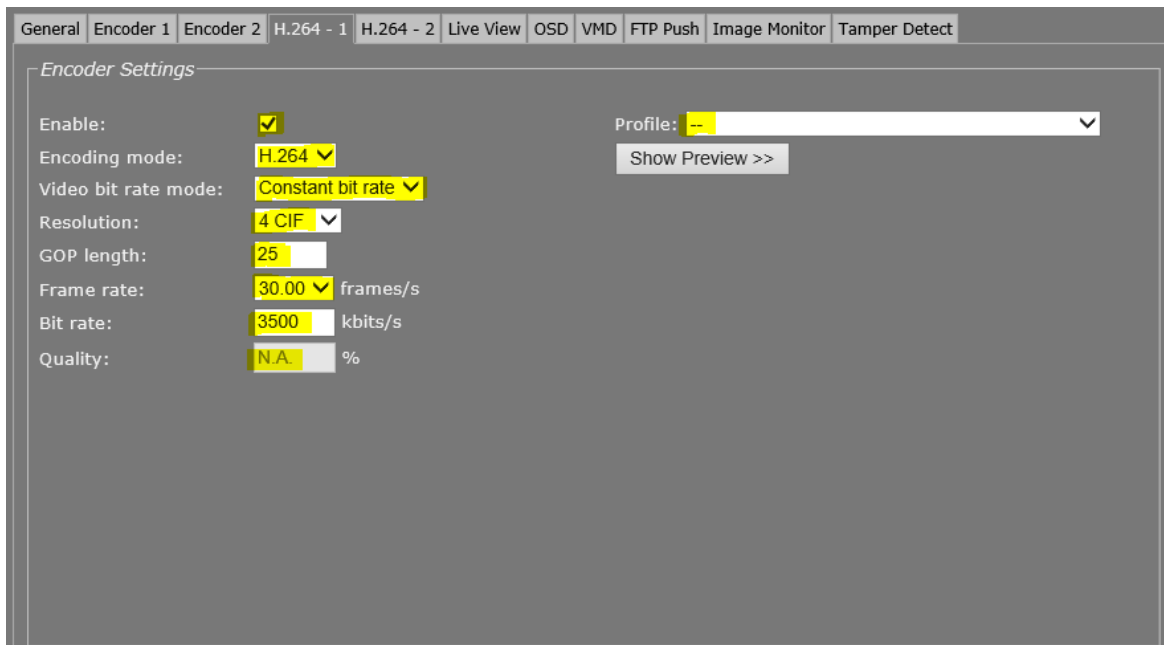
Profile: <- ->

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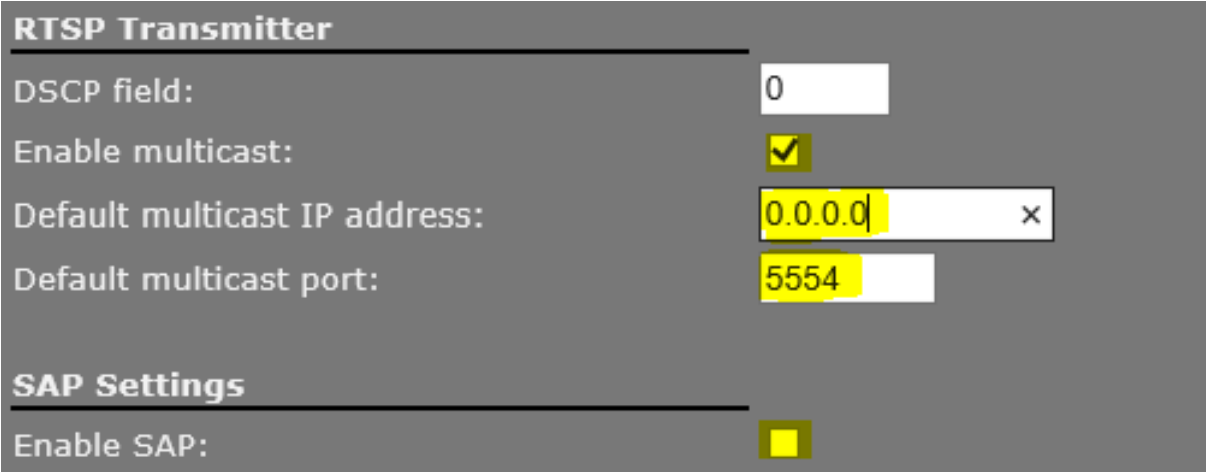
Click on the "Advanced" button.

Advanced >>

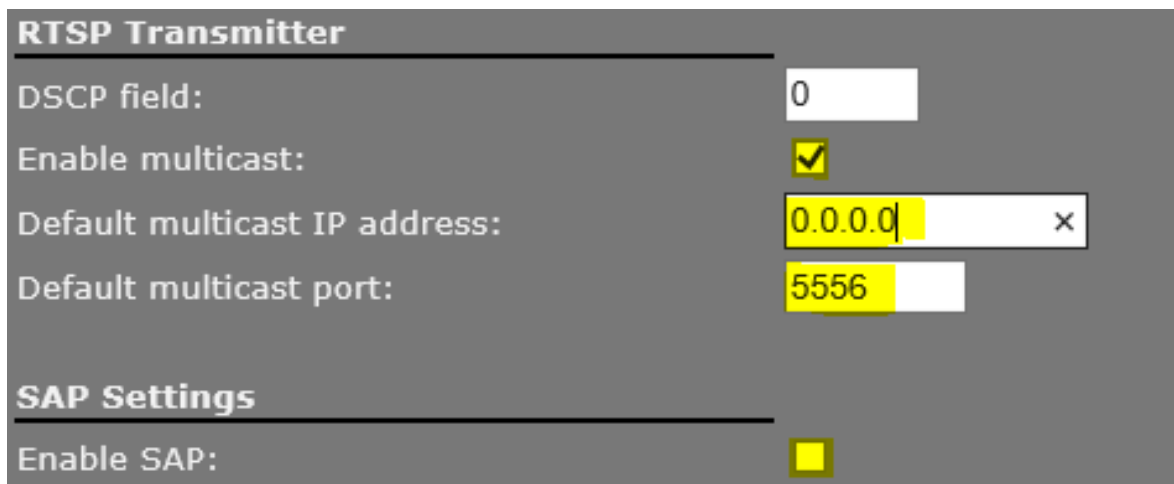**Set the following parameters for RTSP Transmitter and SAP Settings.**

Enter the multicast IP address: <0.0.0.0>

Enter the multicast port: <5554>

Enable SAP (ensure SAP is disabled) :   <unchecked box>

Click SAVE.

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Set the following parameters for the "H.264- 2" tab.

Match the image below for all of the fields.

Enable: <Check box>

Encoding mode: <H.264>

Video bit rate mode: <Constant bit rate>

Resolution: <CIF>

GOP length: <25>

Frame rate: <30.00 frames/s>

Bit rate: <1000   kbits/s>

Quality: <N.A. %>
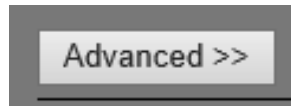
Profile: <- ->

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Click on the "Advanced" button.

Advanced >>

Set the following parameters for RTSP Transmitter and SAP Settings.

Enter the multicast IP address: <0.0.0.0>

Enter the multicast port: <5556>

Enable SAP (ensure SAP is disabled) :   <unchecked box>

RTSP Transmitter

DSCP field: 0

Enable multicast: ☑

Default multicast IP address: 0.0.0.0   ×

Default multicast port: 5556

SAP Settings

Enable SAP: ☐

Click SAVE.

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Set the following parameters for the On Screen Display "(OSD)" tab.

Text 1: Enable: <Check box>

OSD Text: <Enter CCTV number, Roadway, Direction, MileMarker, 000.0>

                    For example: *3460_I-75_NB_MM_354.3*

Text color: <White>

Border/Outline color: <Black>

Font size: <20>

Predefined positions: <Top left>

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Click SAVE.
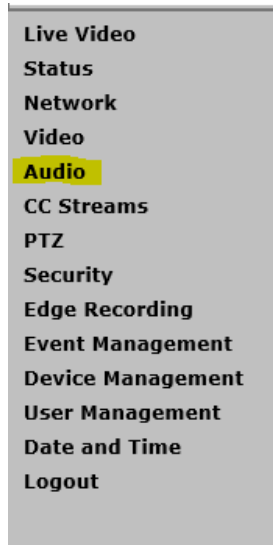
Click on "Audio".

3. **Audio settings**:

Match the image below for all of the fields.

Enable time service: <Check box>
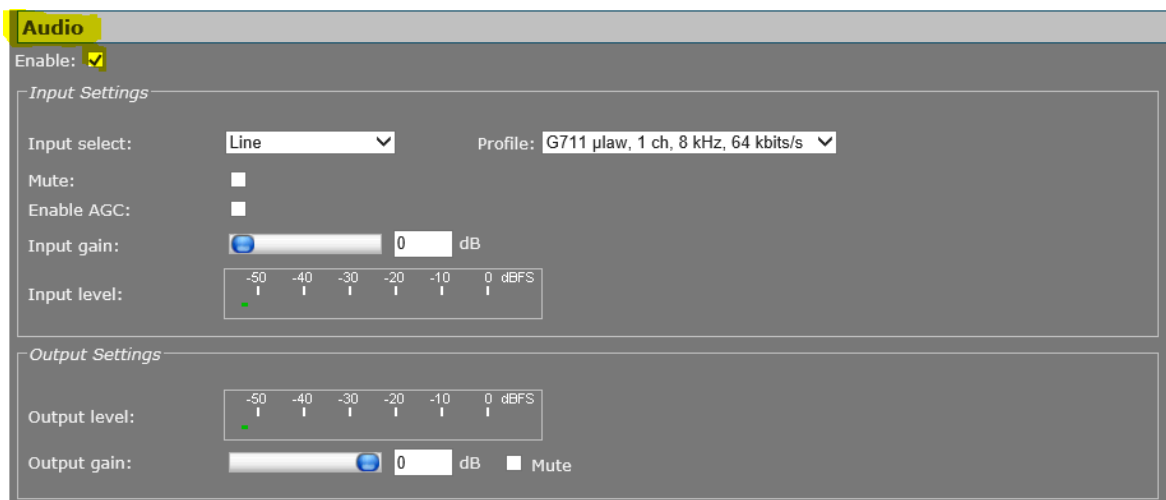
Click SAVE.

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Click on "PTZ".
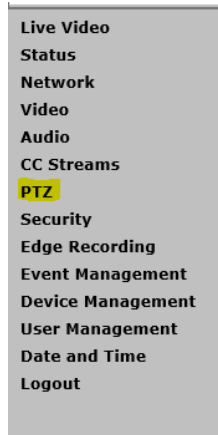
4. <u>Pan/Tilt/Zoom (PTZ) settings</u>:

Match the image below for all of the fields.

Enter Camera ID/address: <1>

Select PTZ driver: <Pelco-D.js>

TCP server enable: <Check box>

TCP server port: <1024>

Click SAVE.

Click on "Device Management".
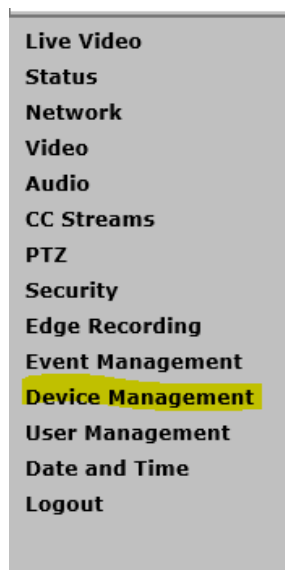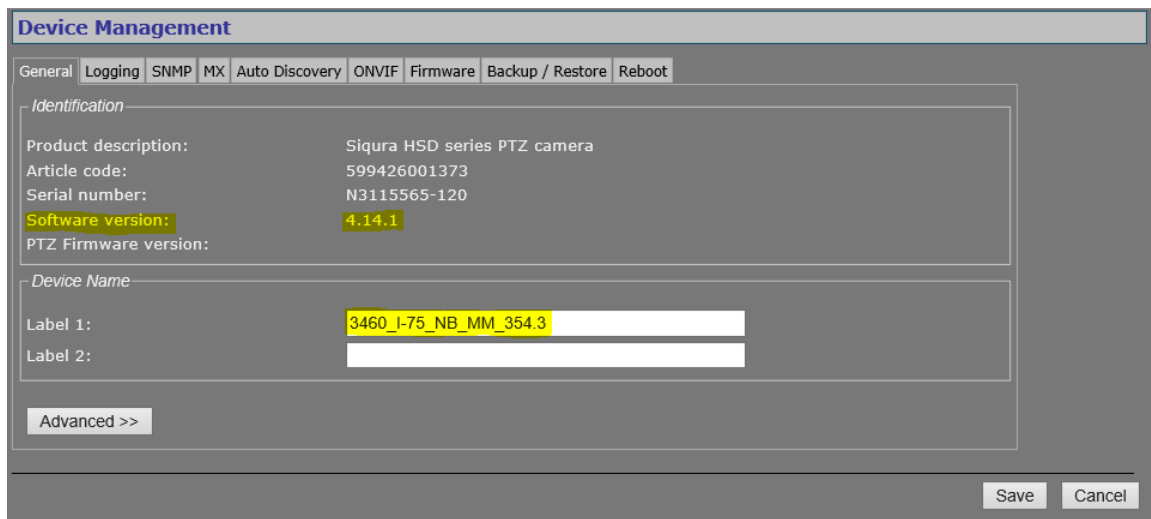
5. **Device Management settings**:

Set the following parameters for the "General" tab.

Check Software version: <4.14.1>

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Check Device Name / Lable1: <mark>3460_I-75_NB_MM_354.3</mark>>

Click SAVE.

Set the following parameters for the "SNMP" tab.

Match the image below for all of the fields.

Check SNMP:

Read: <public>

Read/Write: <private>

Trap: <public>

Port: <161>

Version: <v2>

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Click SAVE.

Set the following parameters for the "MX" tab.

Enable MX: <Check box>

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Click SAVE.

Set the following parameters for the "Auto Discovery" tab.

Enable UPnP: < Unchecked box>
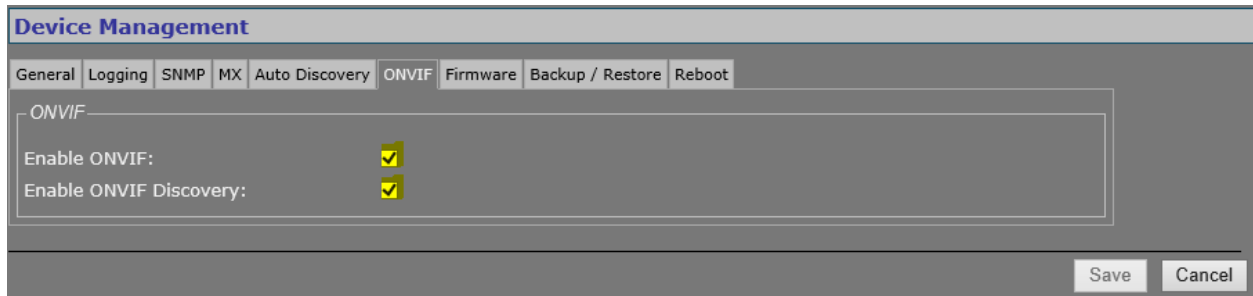
Click SAVE.

Set the following parameters for the "ONVIF" tab.

Enable ONVIF: <Check box>

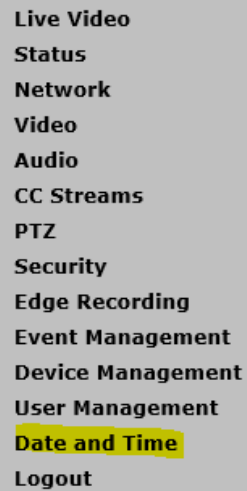*Enable ONVIF Discovery:*   <Check box>

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Click SAVE.

Click on "Date and Time".

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6. **SNTP/Date and Time settings**:

Enable time service to automatic: `<Check box>`

IP address from DHCP: `<Unchecked box>`

Time server IP address: `<will be provided by FDOT>`

Time server query interval: `< 1 minute>`

Click SAVE.

Log out of device.

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Live Video
Status
Network
Video
Audio
CC Streams
PTZ
Security
Edge Recording
Event Management
Device Management
User Management
Date and Time
Logout