Camera Configuration - Oncam Grandeye Camera (ONVIF compliant) (20.02.28.01)

Notes –

1. In Security Management System client software, a separate dedicated monitor should be allocated for viewing Oncam Grandeye cameras with de-warping

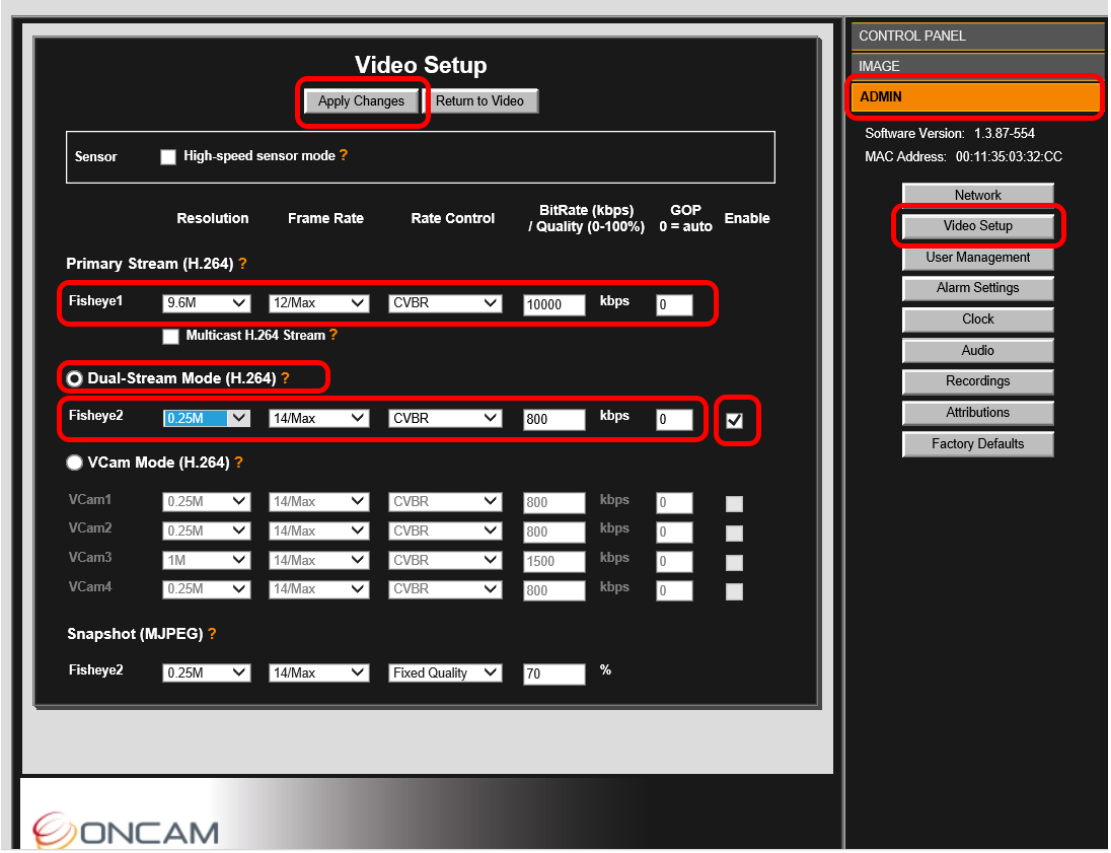
2. This separate dedicated monitor should have fixed set of Oncam Grandeye camera displayed and there should be no change in the layout and/or camera selection for this separate dedicated monitor

3. Oncam Grandeye cameras with de-warping enabled, should NOT be included in any of the 'layout profile sequences' configured in the Security Management System client software

Camera Configuration

Following one time settings are required to be done in the camera configuration.

1. Connect to the Oncam Grandeye Camera from web browser.
2. Login to the camera
3. Click on the ‘ADMIN’ tab, from the right hand side menu.



4. Click on the ‘Video Setup’ button, under ‘Admin’
5. Select option ‘Dual-Stream Mode (H.264)
6. Enable checkbox next to ‘Fisheye2’ settings
7. Specify settings for ‘Fisheye2’. This is low resolution minor stream / secondary stream.
   It is recommended to select 0.25M resolution. Other settings can be chosen, as per the project requirements, or defaults can be accepted.
8. Specify settings for ‘Fisheye1’. This is high resolution major stream / primary stream. These settings can be configured, as per project requirements.
9. Click on the ‘Apply Changes’ button available at the top of the page.

Wait for the changes to get applied. The camera may reboot.

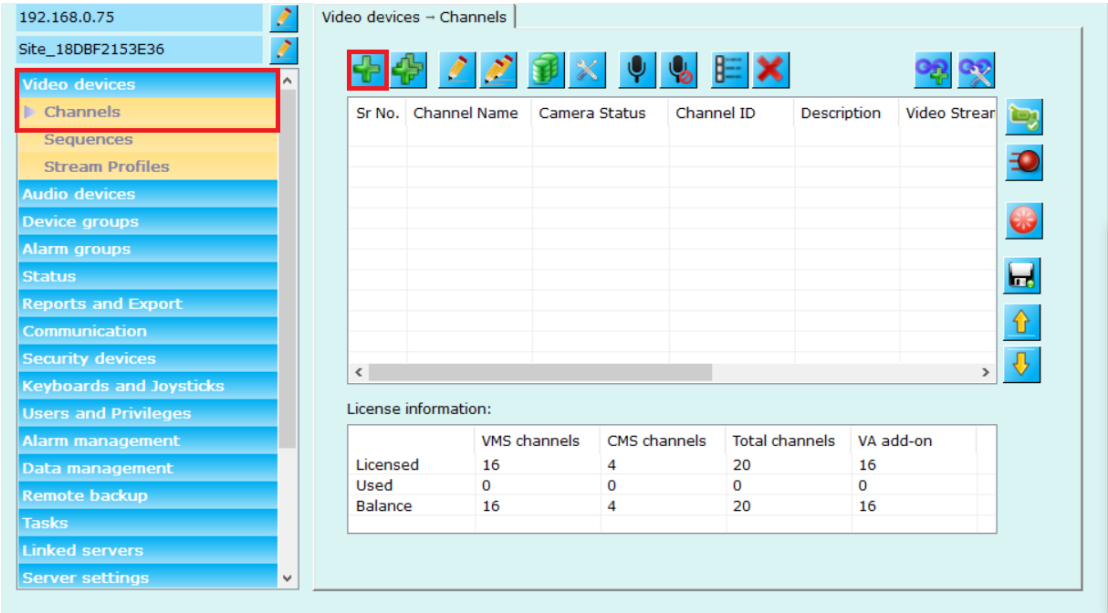
10. Close the web browser.

11. Re-open the web browser.
    Re-connect to the Oncam Grandeye Camera.
    Login to the camera
    Confirm that the configured settings are saved and retained by the camera

Adding Channels to Server Software

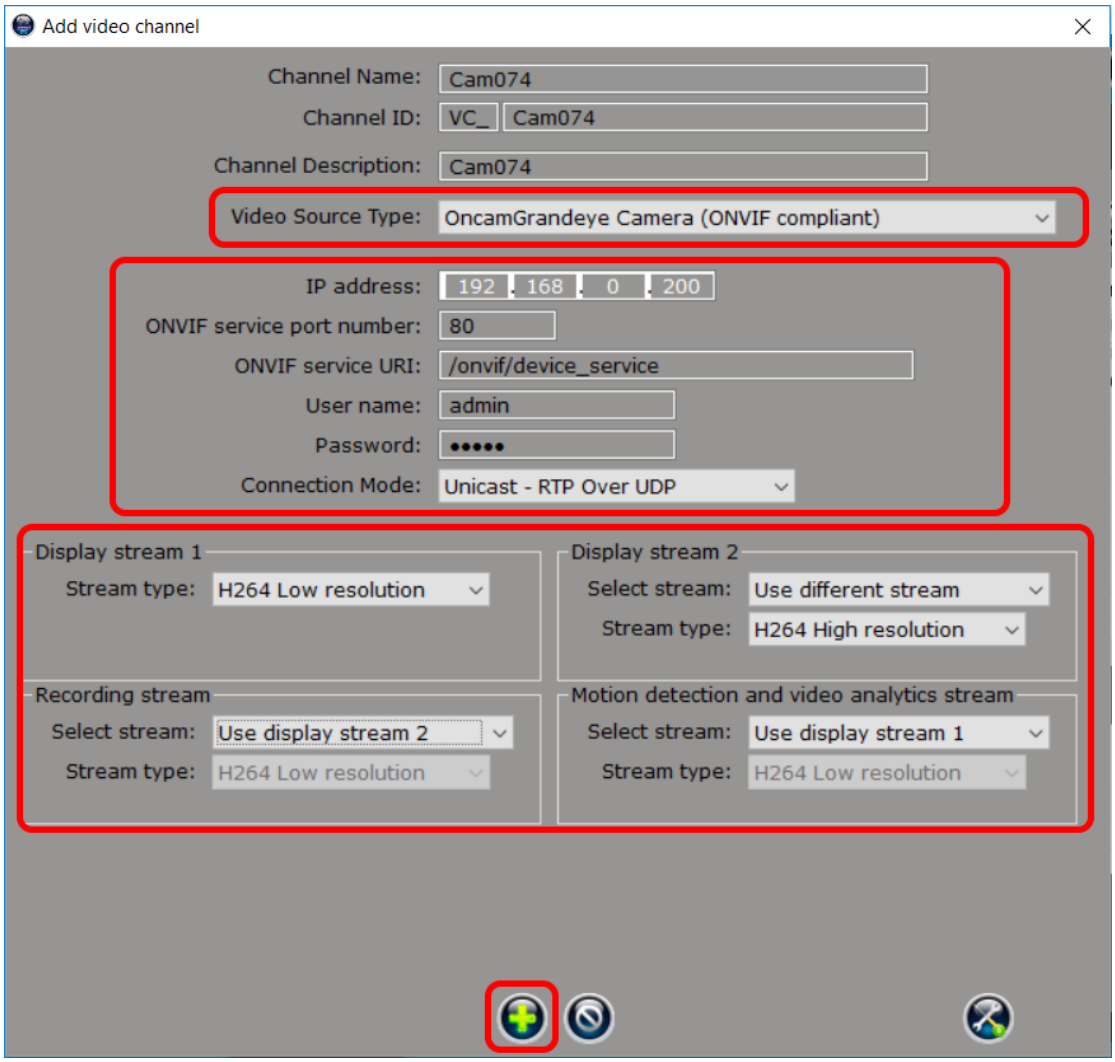
1. Please execute the Security Management System server software

2. Navigate to the ‘Video devices -> Channels’ menu from the left hand side navigation menu.



3. Click on ‘Add video channel…’ button.

4. This will pop up the ‘Add Video Channel’ dialog box.



5. Select ‘Video source type’ as ‘OncamGrandeye Camera (ONVIF compliant)’

6. Type ‘IP address’ of the camera.

7. Type ‘ONVIF service port number’. It is same as HTTP port on which camera web GUI is accessible. It is typically 80, unless specifically changed from camera configuration.

8. Type ‘ONVIF service URI’. If there is no specific input available, please use string ‘/onvif/device_serivce’ (excluding the single quotes)

9. Type ‘Username’ and ‘Password’. This is for a user already configured in the camera.

10. Select ‘Connection Mode’.
    When 5MP or higher resolution video stream from the camera is expected to be used, please select ‘Unicast – RTP over TCP’ option.
    Otherwise use ‘Unicast – RTP over UDP’ option.

11. Under ‘Display stream 1’, select ‘Stream type’ as ‘H264 Low Resolution’.

12. Under ‘Display stream 2’, set ‘Select stream’ as ‘Use different stream’. And select ‘Stream type’ as ‘H264 High Resolution’

13. Under ‘Recording stream’, set ‘Select stream’ as ‘Use display stream 2’

14. Under ‘Motion detection and video analytics stream’, set ‘Select stream’ as ‘Use display stream 1’.

15. Click on ‘Add video channel’ button, to finish adding the camera.