

# Novus Cameras for the use with NMS ANPR system

## 1. Set:

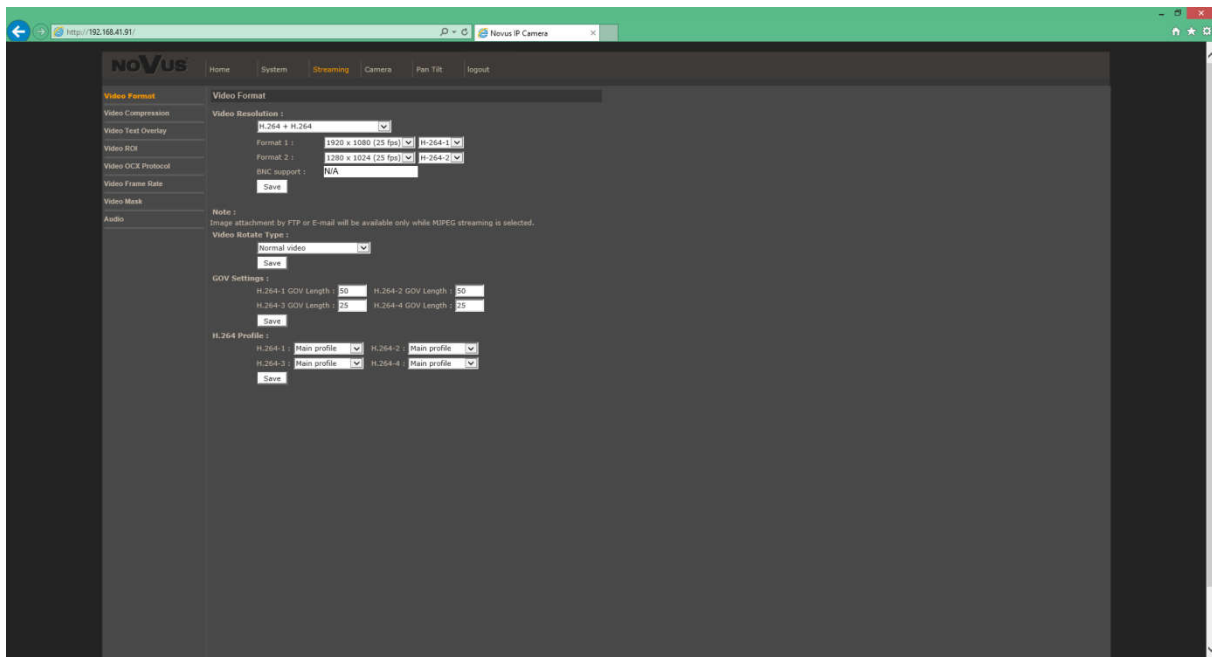
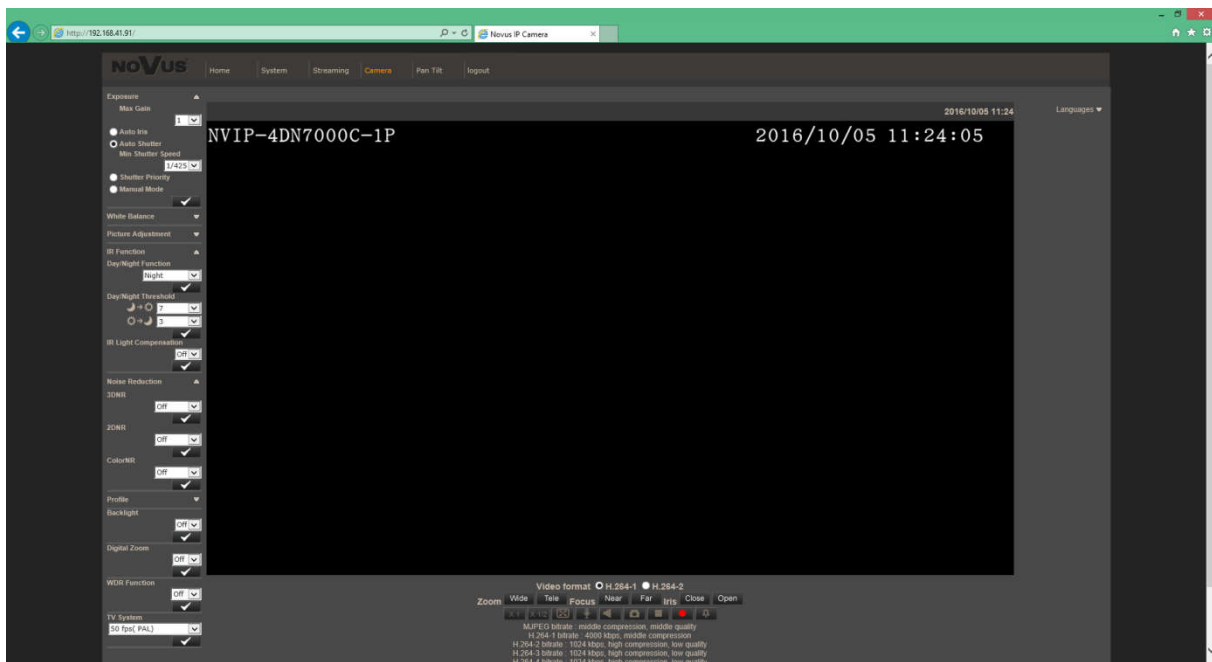
Camera: NVIP-4DN7000C-1P

Lens: NVL-3MP660D/IR

IR LED Illuminator: NV-IR60/150LED

Camera Housing: NVH-160H/X

Proposed camera settings are as below (modifications to the factory settings):



Exposure :

Max Gain: 1

Auto Shutter

Min Shutter Speed: 1/425

Day/Night Function: Night

TV System: 50 fps (PAL)

Video Resolution:

Format 1: 1920x1080 (25 fps)

Proposed additional possibilities in adjusting settings:

Exposure :

Max Gain: 0 or 1

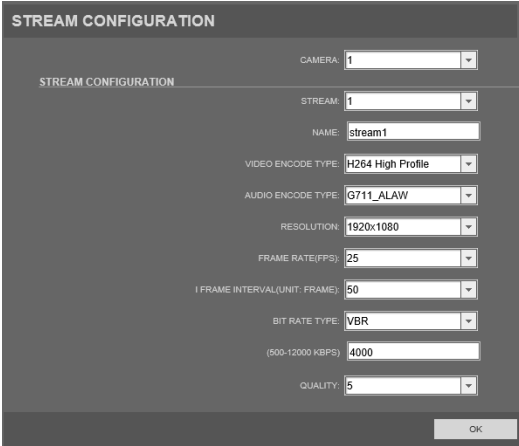
CBR mode setting:

Enable H.264 CBR mode: On or Off

TV System: 50 fps (PAL) or WDR 2 shutter (PAL)

## 2. NVIP-6DN5021H/IRH-1P

Proposed camera settings are as below (modifications to the factory settings):



The screenshot displays the 'STREAM CONFIGURATION' window. At the top, there is a 'CAMERA' dropdown menu set to '1'. Below this, the 'STREAM CONFIGURATION' section contains several settings: 'STREAM' is set to '1', 'NAME' is 'stream1', 'VIDEO ENCODE TYPE' is 'H264 High Profile', 'AUDIO ENCODE TYPE' is 'G711\_ALAW', 'RESOLUTION' is '1920x1080', 'FRAME RATE(FPS)' is '25', 'I FRAME INTERVAL(UNIT: FRAME)' is '50', 'BIT RATE TYPE' is 'VBR', and 'QUALITY' is '5'. A '4000' value is also present next to the 'BIT RATE TYPE' label, with '(600-12000 KBPS)' in smaller text below it. An 'OK' button is located at the bottom right of the configuration area.

Setting	Value
CAMERA	1
STREAM	1
NAME	stream1
VIDEO ENCODE TYPE	H264 High Profile
AUDIO ENCODE TYPE	G711_ALAW
RESOLUTION	1920x1080
FRAME RATE(FPS)	25
I FRAME INTERVAL(UNIT: FRAME)	50
BIT RATE TYPE	VBR
BIT RATE (KBPS)	4000
QUALITY	5

Sensor Setting

Time Segment | Image Adjust | Shutter Mode | Gain Mode | D/N Setting | IR LED | Auto Iris | WDR

Shutter Mode: Auto Shutter

Max Shutter: 1/500

Fixed Shutter: 1/25(50Hz):1/30(60Hz)

Debug Mod: Scheme 1 Save Reset FactorySetting

Sensor Setting

Time Segment | Image Adjust | Shutter Mode | Gain Mode | D/N Setting | IR LED | Auto Iris | WDR

Gain Mode: Auto Gain

Max Gain: 0 5

Fixed Gain: 0 100

Debug Mod: Scheme 1 Save Reset FactorySetting

Sensor Setting

Time Segment | Image Adjust | Shutter Mode | Gain Mode | D/N Setting | IR LED | Auto Iris | WDR

D/N Setting: Night Mode

Delay(s): 0 5

DayToNightTime: 18 : 00

NightToDayTime: 06 : 00

TRANSI(D->N): 0 70

TRANSI(N->D): 0 30

Debug Mod: Scheme 1 Save Reset FactorySetting

Sensor Setting

Time Segment | Image Adjust | Shutter Mode | Gain Mode | D/N Setting | IR LED | Auto Iris | WDR

Power: Manual

IR LED Intensity: 0 90

Debug Mod: Scheme 1 Save Reset FactorySetting

Sensor Setting

Gain Mode | D/N Setting | IR LED | Auto Iris | WDR | AE Meter Mode | Mirror | Noise Reduction

WDR: Open

HLC: Close

WDR Strength: 0 5

HLC Strength: 0 100

BLC: Close

Debug Mod: Scheme 1 Save Reset FactorySetting

Video System: 50Hz

Video Stream Resolution: 1920x1080 (25 fps)

Video Bitrate: 4000 kbps

Shutter Mode

Shutter Mode: Auto Shutter

Max Shutter: 1/500

Gain Mode

Gain Mode: Auto Gain

Max Gain: 5

D/N Setting: Night Mode

IR LED

Power: Manual

IR LED Intensity: 90

WDR

WDR: Open

WDR Strength: 5

Proposed additional possibilities in adjusting settings:

Shutter Mode

Shutter Mode: Auto Shutter

Max Shutter: 1/500 or 1/1000

Gain Mode

Gain Mode: Auto Gain

Max Gain: 5 - 10

IR LED

Power: Auto or Manual

IR LED Intensity: 50 - 100

WDR

WDR: Open

WDR Strength: 1-10