

# NCo-301-VHR

3MP Outdoor IR Vandal Dome  
with Smart IR, Motorized Lens, P-Iris, True WDR, IK10



## Main Features

- 3MP @30fps, Full 1080P @60fps
- Motorized lens 3-10mm F1.4
- Advance P-Iris
- 100dB True WDR
- IK10 vandal resistant, IP66
- Smart IR with 25M
- Extreme weather -40°C ~ 60°C/-40°F ~ 140°F

ONVIF



## Product Overview

NexCom introduces new outdoor dome IP camera offering outstanding 3MP image quality including support for zoom focus function. NCo-301-VHR IP Camera, available in indoor and outdoor using scenario, are suitable for building surveillance solution, True WDR/smart IR can overcome variation light condition continued to provide crystal clear image output. IK10/IP66 makes IP camera ideal for all kind of extremely working behavior.

### Megapixel @ 60 fps

NexCam supports high-performance H.264/MJPEG compression technology and offers extra smooth video at up to 60 fps in 1080p, and 30fps @ 3MP. Furthermore, Video ROI [Region Of Interest] function reduce bandwidth and storage requirement, providing users with the best option in bandwidth flexibility and storage efficiency.



### Zoom Focus

Zoom focus function allows users to remotely control focus and zoom to simplify installation and reduce labor cost. 3-10 mm focal length is available with feed-back potentiometers for auto-positioning applications. Post-installation adjustment can be done quickly and painlessly, without the need to tear down and reinstall the camera.

### P-Iris

P-iris function works by a stepping motor controlled via software to automatically provide the best iris position for best exposure time in all lighting conditions. The Result is a clearer image with better contrast and depth of field.

### Smart IR

Smart IR is superior to the traditional IR by automatically adjusting IR output in response to the distance of the object in view. The closer the object, the dimmer the IR will be. This will avoid object over-exposure commonly seen in cameras using traditional IR functions. Over-exposure makes it almost impossible to accurately recognize human faces or other vital characteristics.

## Specifications

### Camera General Information

Image Sensor	1/3" 3MP True WDR progressive scan CMOS sensor
Minimum Illumination	B/W 0 lux/Color 0.1 lux
Lens	Motorized (3-10mm, F1.4)
Field of View	Horizontal: 33.6°~81.9° Vertical: 25.5°~62.6° Diagonal: 42.6°~103.1°
Iris Type	P-iris
Day and Night	YES (Ture D/N)
IR Distance	Effective up to 25 meter
IR Wavelength	850nm(16 pcs $\Phi$ 5.0 IR-LED, 8pcs 6.0 $\Phi$ IR-LED)
IR Control	Smart IR
ICR	YES
WDR	YES
Image Enhance	Brightness, Contrast, Saturation, Sharpness, Backlight compensation, Mirror, Flip, Day/Night, Anti-flicker

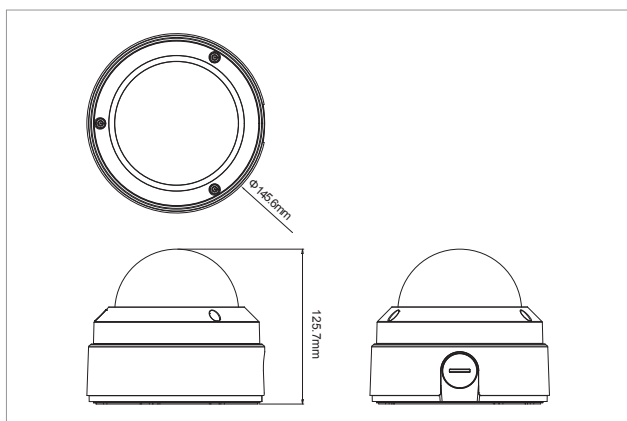
### Video

Video Compression	H.264/M-JPEG
Video Streaming	Triple streaming H.264 Stream 1/H.264 Stream2/MJPEG Stream 3
Video Resolution	2048x1536 to 320x240
Video Quality	VBR/CBR
Frame Rate	2048x1536 @30 fps 1920x1080 @60 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps

### Audio

Audio Streaming	Two-way
Audio Compression	G.711 8KHz/16bit
Audio Input	Line-in
Audio Output	Line-out

## Dimension Drawing



### Network

Interface	10/100/1000 Mbps Ethernet, RJ-45
Supported Protocols	HTTP, TCP/IP, UDP, RTP, RTSP, FTP, SMTP, DHCP, DNS, DDNS, NTP, uPnP, ONVIF, IPv4/v6
Browser	Internet Explorer (support up to IE 10), Chrome, Firefox, Safari
Security	Multi-level passwords /HTTP encryption

### I/O Connector

Audio in/out Port	Terminal block 1 in/1out
D I/O	DIX1,DOx1
RS485	N/A
Micro SD Card Slot	YES
RJ45	YES

### Event Management

Event Trigger	Motion detection , DI
Notifications	Trigger alarm output, email/FTP and record video to PC or SD card
post Recording	YES
Pre Recording	YES

### Power

DC/AC	DC 12V/AC 24V terminal block
PoE	YES/IEEE 802.3af

### General

Power Consumption	12W max.
Weight	1725g
Dimension	$\Phi$ 145.6mm x 125.7mm (H)
Operating Temp.	-40°C ~ 60°C/-40°F ~ 140°F
Humidity	90% RH (no condensation)
Certification	CE/FCC
Vandal Resistant	IK10
Weather Prove	IP66, built-in heater
Application	SDK available for application development

### Packaging Information

NWT	1725g
GWT	2055g
Dimension	225mm x 202mm x 156mm

## Accessories (Optional)



## Ordering Information

- ◆ NCo-301-VHR (P/N: 10HQ0030100X0)