



## Main Features

- 3MP bullet camera
- 30fps@3MP, Full HD1080P @60fps
- Advance P-Iris
- 100 dB True WDR
- IK10 vandal resistant, IP66/IP67
- Support -40°C~60°C / -40°F~140°F

ONVIF



## Product Overview

NEXCOM introduces new IR vandal bullet type IP camera, offering outstanding 3MP image quality including supports zoom focus function. NCr-302-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. IK8/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 at 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.

### True WDR

The True WDR (Wide Dynamic Range) feature can be very helpful to cope with very challenging lighting conditions. It is capable of capturing both of the dark part and bright part then combining the differences into a scene to generate a highly realistic image. It preserves as much information in the video as possible; the NexCam true WDR IP Camera helps to provide video quality closer to the capabilities of the human eye. Consequently, it is largely applied in high contrast environments such as lobby entrances, parking lots, ATM's and loading areas.

### Smart IR

Smart IR is superior to the conventional IR by automatically adjusting IR strength 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 conventional IR functions. Over-exposure makes it almost impossible to accurately recognize human faces or other vital characteristics.

### 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.

## 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) lens  |
| Field of View        | Horizontal: 33.6°~81.9°<br>Vertical: 25.5°~62.6°<br>Diagonal: 42.6°~103.1°             |
| Iris Type            | P-Iris   |
| Day and Night        | YES (True D/N)   |
| IR Distance          | Effective up to 30 meters  |
| IR Wavelength        | 850nm  |
| IR Control           | Smart IR   |
| ICR                  | YES  |
| WDR                  | YES (True WDR)   |
| Image Enhance        | Brightness, Contrast, Saturation, Sharpness, Mirror, Flip, Day/Night, Anti-flicker,AWB |

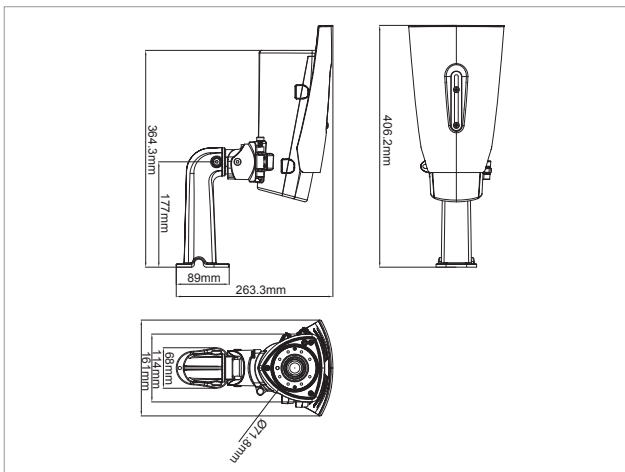
### Video

|                   |  |
|-------------------|--|
| Video Compression | H.264/M-JPEG   |
| Video Streaming   | Triple streaming   |
| Video Resolution  | 2048x1536 to 320x240   |
| Video Quality     | VBR/CBR  |
| Frame Rate        | 2048x1536 @30 fps<br>1920x1080 @60 fps<br>1280x720 @30 fps<br>720x576 @30 fps<br>720x480 @30 fps<br>640x480 @30 fps<br>320x240 @30 fps |

### Audio

|                   |                    |
|-------------------|--------------------|
| Audio Streaming   | Two-way            |
| Audio Compression | G.711 8KHz/16 bits |
| 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 | 3.5 mm phone jack x2 |
| 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 | DC12V/AC 24V terminal block |
| PoE   | YES/IEEE 802.3af            |

### General

|                   |   |
|-------------------|---|
| Power Consumption | 13W max.                                  |
| Weight            | 2005g                                     |
| Dimension         | 406.2mm (D) x 161mm (W) x 263.3mm (H)     |
| Operating Temp.   | -40°C~60°C /-40°F~140°F                   |
| Humidity          | 90%RH (no condensation)                   |
| Certification     | CE/FCC                                    |
| Vandal Resistant  | IK10                                      |
| Weather Proof     | IP66/IP67                                 |
| Application       | SDK available for application development |

### Packaging Information

|           |                                   |
|-----------|-----------------------------------|
| NWT       | 2005g                             |
| GWT       | 2091g                             |
| Dimension | 311mm (D) x 286mm (W) x 178mm (H) |

## Accessory

- ♦ TBD

## Ordering Information

- ♦ NCr-302-VHR (P/N: 10HR0030200X0)