

# NCi-311-R

3MP Indoor IR Compact Design Dome  
with Smart IR, Vari-focal Lens, DWDR



## Main Features

- 3MP @20fps, Full HD 1080P @30fps
- Varifocal lens 3-10mm, F1.3
- Digital WDR
- Compact design
- Smart IR with 15M
- Support 0°C ~ 60°C/32°F ~ 140°F

ONVIF



## Product Overview

NEXCOM introduces new mini indoor dome IP camera offering outstanding 3MP image quality including support for vari-focal function. NCI-311-R IP Camera ,available in indoor using scenario, are suitable for building/small shop surveillance solution, digital WDR/smart IR can overcome variation light condition continued to provide crystal clear image output. It makes IP camera ideal for all kind of extremely working behaviors.

### 1080P @ 30 fps

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

### 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.

### Digital WDR

Digital Wide Dynamic Range is a feature in NCI-311-R IP cameras that incorporates techniques for handling a wide range of lighting conditions in a scene which with extremely bright and dark areas , a typical camera would produce an image where objects in the dark areas would hardly be visible. Digital Wide Dynamic Range solves this by applying techniques such as using different exposures for different objects in a scene to enable objects in both bright and dark areas to be visible.

### Compact Design

NexCam is available in a compact design with stylish, low profile, and discreet housing. It's ideal for residential, office, mall, and store used and of course not limited to. It's indeed a space-saving design that would be perfect for getting an excellent overview for any indoor scene.



Conventional



NEXCOM

## Specifications

### Camera General Information

Image Sensor	1/3" 3MP progressive scan CMOS sensor
Minimum Illumination	B/W 0 lux/Color 0.1 lux
Lens	Varifocal (3-10mm, F1.3)
Field of View	Horizontal: 28.2°~87.3° Vertical: 21.4°~61.9° Diagonal: 34.6°~112.6°
Iris Type	DC-iris
Day and Night	YES
IR Distance	Effective up to 15 meter
IR Wavelength	850nm (15 pcs $\Phi$ 5.0 IR-LED)
IR Control	Smart IR
ICR	YES
WDR	YES (DWDR)
Image Enhance	Brightness, Contrast, Saturation, Sharpness, Backlight compensation, Mirror, Flip, Day/Night, Anti-flicker

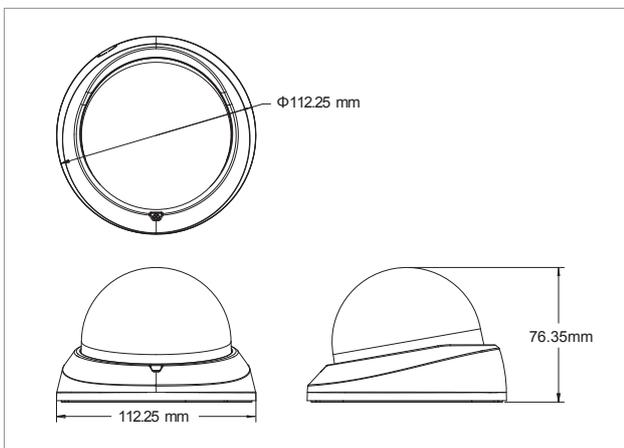
### Video

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 @20 fps 1920x1080 @30 fps 1280x720 @30 fps 720x576 @30 fps 720x480 @30 fps 640x480 @30 fps 320x240 @30 fps

### Audio

Audio Streaming	N/A
Audio Compression	N/A
Audio Input	N/A
Audio Output	N/A

## 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	N/A
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 terminal block
PoE	YES/IEEE 802.3af

### General

Power Consumption	7 W max.
Weight	290g
Dimension	$\Phi$ 112.25mm x 76.35mm (H)
Operating Temp.	0°C~60°C/32°F~140°F
Humidity	90% RH (no condensation)
Certification	CE/FCC
Vandal Resistant	N/A
Weather Proof	N/A
Application	SDK available for application development

### Packaging Information

NWT	290g
GWT	540g
Dimension	174mm(D) x 164mm(W) x 113mm(H)

## Ordering Information

- ◆ NCI-311-R (P/N: 10HI0031100X0)