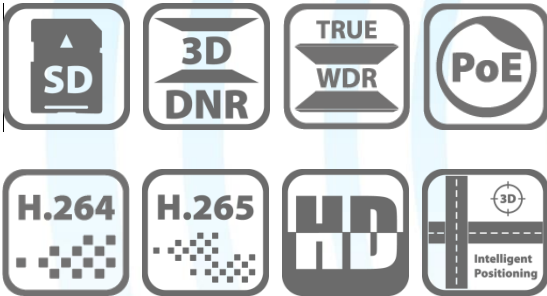


# HiWatch Series

PTZ-N4215-DE3

2MP 15× Network Speed Dome



## Key Features

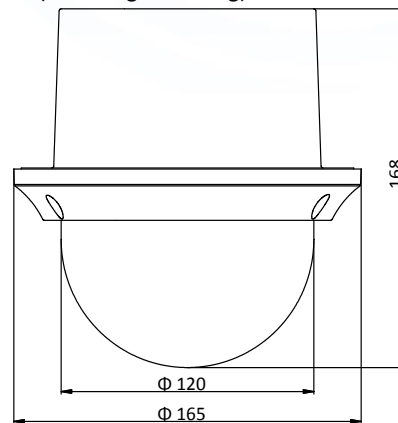
- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. illumination:  
Color: 0.005 Lux @(F1.6, AGC ON)  
B/W: 0.001 Lux @(F1.6, AGC ON)
- 15× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, BLC
- 12 VDC & PoE+ (802.3at, class4)
- Support H.265+/H.265 video compression
- Up to 24 programmable privacy masks
- Support ROI

## Available Model

- PTZ-N4215-DE3

## Dimensions

Indoor Model  
(In-Ceiling Mounting)



Unit: mm

## Specification

Camera Module	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON)
White Balance	Auto/Manual/ATW (Auto-Tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
AGC	Auto/Manual
Shutter Time	1/1 s to 1/30,000 s
Day & Night	IR Cut Filter
Digital Zoom	16×
Privacy Mask	24 programmable privacy masks
Focus Mode	Auto/Semi-automatic/Manual
WDR	120 dB
Lens	
Focal Length	5 mm to 75 mm, 15× optical
Zoom Speed	Approx. 2.4 s (optical lens, wide-tele)
FOV	Horizontal field of view: 53.8° to 4.0° (wide-tele) Vertical field of view: 31.9° to 2.3° (wide-tele) Diagonal field of view: 60.4° to 4.6°(wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	F1.6 to F3.0
PTZ	
Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 100°/s Preset Speed: 100°/s
Movement Range (Tilt)	From 5° to 90° (Auto-flip)
Tilt Speed	Configurable, from 0.1°/s to 80°/s Preset Speed: 80°/s
Proportional Zoom	Support
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Power-off Memory	Support
Park Action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
PTZ Position Display	Support
Preset Freezing	Support
Scheduled Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust
Compression Standard	
Video Compression	Main Stream: H.265+/H.265/H.264+/H.264 Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Support
H.265 Type	Main Profile
H.265+	Support
Video Bitrate	32 Kbps to 16384 Kbps
SVC	Support
Smart Feature	

Basic Event Detection	Motion Detection, Video Tampering Detection, Exception Detection
Smart Event Detection	Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection
ROI encoding	Main stream, sub-stream and third stream respectively support four fixed areas.
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
<b>Image</b>	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Image Enhancement	HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus
<b>Network</b>	
Network Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIFS), ANR
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
API	Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 levels: Administrator, Operator and User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51
<b>Interface</b>	
Network Interface	1 RJ45 10 M/100 M Ethernet Interface; PoE+ (802.3at, class4)
<b>General</b>	
Power	12 VDC and PoE+ (802.3at, class4) Max.: 18 W
Working Temperature	-10°C to 55°C (14°F to 131°F)
Working Environment	Working Humidity: ≤ 90%
Protection Level	TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	ADC 12, PC, PMMA
Dimensions	Φ165 mm × 168 mm (Φ 6.5"×6.6") (In-ceiling mounting indoor model)
Weight	Approx. 2 kg (4.41 lb)