NOD385
3-Megapixel Outdoor IR Dome Camera

1/3" Lumii sensor, H.264, triple streaming, WDR, ICR day/night, 20m (65ft) IR, SDXC/SDHC card slot, IP67, IK10

The NOD385 is a professional 3-megapixel IP dome camera designed for detail-demanding outdoor security applications, delivering superior high definition video quality up to 30 frames per second. A true day/night camera, the NOD385 features enhanced sensitivity backed by proprietary Lumii™ Low Light Technology, IR night vision and 3DNR to provide unprecedented image clarity under the cover of darkness. The built-in heater and the weathproof enclosure ensure the NOD385 is suited for outdoor deployment. The camera also features a unique modular design for recessed mount, making it a top-of-the-line solution for diverse surveillance applications.

Flexible Installation with Dual Mount Design

With no extra bracket needed, the camera's detachable modular housing design uniquely allows for the option of recessed in-ceiling mount in addition to surface mount, providing installers with greater flexibility to deploy the camera for discreet installation locations.

True Day/Night with Mechanical ICR

Featuring IR Cut Filter Removable (ICR) function, the camera is perfect for capturing truer color images at day time by filtering out IR. At night, IR is allowed for the camera working in B/W mode and being more sensitive to IR, thereby capturing clearer monochrome images.

3D Noise Reduction

The 3DNR technology takes traditional DNR a step further, removing digital artifacts and grainy appearance from frame to frame, while maintaining image sharpness at low light settings, which results in more efficient bandwidth utilization and less storage space consumption.

Built-in Heater Powered by PoE

The camera is equipped with built-in heater that can be powered by PoE without requiring extra power supply. It is an ideal feature for extreme weather applications, ensuring camera operation at as low as -40 °C (-40°F).

Specifications

Video

Sensor Type	1/3" progressive scan CMOS sensor
Active Pixels	2304 x 1536 (HxV)
Compression	H.264 / MJPEG
Streaming	Triple simultaneous streams, multiple video profile setting
Resolution	QXGA(2048x1536), 1080P, 1280x960, 720P, 800x600, VGA (640x480), 640x320, QVGA(320x240), 320x180
Max. Frame Rate	3MP 4:3 (2048x1536) at 15fps 2MP Full HD 16:9 (1920x1080) at 30fps (NTSC) and 25fps (PAL)
Day/Night	Mechanical (ICR) D/N Control
Day/Night Mode	Auto/ BW/ Color
Shutter Time	1/10,000s to 1/7.5s Selectable (60Hz); 1/10,000s to 1/6.25s Selectable (50Hz)
Minimum Illumination	IR LED OFF: Color: 0.1 lux at 50 IRE, 0.02 lux at 10 IRE, F1.2 (Shutter speed: 1/15 sec) IR LED ON: 0 lux
Video Output	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps
Bit Rate Control	CBR, VBR

Lens

Lens Type	Built-in; varifocal
Focal Length	f=3~9mm, F1.2
Focus / Zoom	Manual
View Angle	H: 78°(Wide)~28°(Tele)
IRIS Control	DC IRIS

IR LEDs

LED Quantity	20 pcs(850nm)
IR Distance	20 meters (65ft)
IR Turn on Status	Under 5 lux by auto control
LED Life	More than 10,000 hours

Audio

Audio Communication	Two-way Audio
Compression	G.711 PCM 8kHz, a/µ-law support
Audio In/Out	External microphone and speaker

Image Enhancement

Image Settings	AES, AWB, AGC Exposure Mode: AES / ALC / Flickerless / Manual; White Balance: Auto / Manual; Backlight Compensation Configurable Brightness, Contrast, Hue, Saturation, and Sharpness Gamma Correction
WDR	Enhanced Digital WDR
DNR	Configurable 3DNR setting
Privacy Zone	Yes, up to 8 privacy zones
Image Orientation	Mirror, Flip
Frequency Control	NTSC(60Hz)/ PAL(50Hz)

Intelligent Video & Event Management

Motion Detection	3-level sensitivity
Ethernet Detection	Network loss detection
Others	Optimized i-frame (GOP) setting
Events	Motion detection, Ethernet detection, external alarm
Event Actions	Event snapshot to remote FTP storage (schedule, alarm input, motion) / email recipients (alarm input, motion) Edge recording to SD card (alarm, motion, network loss) HTTP event query HTTP event client pulling

Store Category

Store Category	Motion Detection / Alarm / Schedule event snapshot; Motion Detection / Alarm / Edge recording Manual Snapshot, Manual Recording

Local Storage

Memory Card Slot	SDXC/SDHC card
Memory Card Overwrite	Yes

Network

Protocol	ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, UDP, UPnP, IEEE802.1X
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45
ONVIF	Yes
Browser	Internet Explorer, Chrome, Firefox, Safari
Security	Multiple user access levels with password protection; IP address filtering; IEEE 802.1X network access control, HTTPS encryption, and digest authentication

I/O & Controls

Power	2-pin Terminal block/ Female RJ-45 10BASE-T/ 100BASE-TX PoE
Power LED Indicator	System power and status indicator
Alarm In/Out	Terminal block 1 in / 1 relay out (30V, 1A)
Network	RJ-45 with LED Indicator
Audio In/Out	Terminal block 1 in / 1 out
Analog Video	1 x composite video out, micro JST
System Reboot	Reset x 1
Factory Default	Default x 1

Power

Power Requirement	Heater Drive: AC 24V ± 10% / PoE (IEEE 802.3af) *Arctic power-on support by PoE at -40°C Defrost Drive: AC 24V ± 10%
Power Consumption (Max.)	17.5W

Mechanical

Dimensions(ΦxH)	Φ147mm x 140mm (Φ5.79" x 5.5")
Weight	1250g (2.76 lb)
3-Axis	Yes
Pan/Tilt Adjustment	Pan: 0°-350°(Max.), Tilt: 25°-90°(Max.), Rotate: 0°-350°(Max.)
Protection	IP66 Certified, IP67/IP68 Compliant IK10 Compliant

Environmental

Operating Temperature	-40°C ~ 50°C (-40°F ~ 122 °F)
Operating Humidity	90% RH, non-condensing
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)

Regulatory

Approvals	CE, FCC, RoHS

Ordering Information

Model No.	NTSC: NOD385-N2-MES; PAL: NOD385-P2-MES
Accessories	Surface mount and recessed mount: standard package support Cable management wall mount: SAB755 Pendent mount: SAB755M L-type wall mount: SAB749-1W

Dimensions

ø96 mm (3.77")

140 mm (5.51")

50 mm (1.96")

56 mm (2.20")

76 mm (2.99")

147 mm (5.78")

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