



NOD398

5-Megapixel Outdoor IR Dome Camera

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

The NOD398 is a professional 5-megapixel motorized IP dome camera designed for detail-demanding outdoor surveillance, delivering superior high definition video quality up to 30fps. A true day/night camera, the NOD398 features enhanced sensitivity backed by proprietary low light technology, IR night vision and 3DNR to provide unprecedented image clarity under the cover of darkness. The built-in heater and the weatherproof enclosure ensure the camera is suited for outdoor deployment. The NOD398 also features installation-facilitating motorized zoom with auto focus and the unique modular design for recessed mount, making it a versatile solution across various applications.



Motorized Lens for Remote Zoom and Auto Focus

The motor-driven zoom functionality enables configuration over the network to achieve the optimized viewing angle of the monitored area. Auto Focus can be also done with just one simple mouse click, simplifying the installation significantly for faster and easier setup.



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.



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.



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).



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.

Specifications

Video	
Sensor Type	1/3.2" progressive scan CMOS sensor
Active Pixels	2592x1944 (HxV)
Compression	H.264 / MJPEG
Streaming	Triple simultaneous streams with multiple video profile
Resolution	2592x1944, QXGA(2048x1536), 1080P, 1280x960, 720P, SVGA(800x 600), VGA(640x480), 640x360, QVGA(320x240), 320x180
Max. Frame Rate	5MP 4:3 (2592x1944) at 12 fps 3MP 4:3 (2048x1536) at 15 fps 2MP Full HD 16:9 (1920x1080) at 30/25fps (NTSC/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: 0.15 lux at 50 IRE, 0.03 lux at 10 IRE, F1.2 (Shutter speed: 1/15sec) IR LED ON: 0 lux
Video Output	NTSC: 720x480 @30fps; PAL: 720x576 @25fps
Bit Rate Control	CBR, VBR
Lens	
Lens Type	Built-in; Varifocal
Focal Length	f=3~9mm, F1.2
Focus / Zoom	Autofocus, motorized / Remote
View Angle	H: 78°(Wide)~28°(Tele)
IRIS Control	DC IRIS
IR LEDs	
LED Quantity	20 pcs(850nm)
IR Distance	25 meters (82ft)
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)
Date & Time Stamp	Yes
Intelligent Video & Event Management	
Motion Detection	Yes, 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/ email recipients, Edge recording to SD card, HTTP event query, HTTP event client pulling

Store Category	Event snapshot, Edge recording, Manual Snapshot, Manual Recording
Local Storage	
Memory Card Slot	microSDHC/SDXC 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, pressing 5 sec for loading factory default
Power	
Power Requirement	Heater Drive: AC 24V ± 10% / PoE (IEEE 802.3af) *Arctic power-on support by PoE at -50°C Defrost Drive: AC 24V ± 10%
Power Consumption (Max.)	26W
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	(On-board heating device) -50°C ~ 50°C (-58°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: NOD398-N2-MES; PAL: NOD398-P2-MES
Accessories	Surface Mount & Recessed-mount: standard package support Cable Management Wall mount: SAB755 L-type Wall Mount: SAB749-1W Pendent Mount: SAB755M

Dimensions

