



NDF301

3-Megapixel Indoor Dome Camera

1/3" Lumii sensor, H.264, triple streaming, remote zoom and auto focus, ICR day/night, WDR, ePTZ, SD/SDHC card slot

The NDF301 is a professional 3-megapixel motorized IP dome camera designed for indoor security applications, such as gaming or finance where detail matters the most. A true day/night camera, the NDF301 is backed by proprietary Lumii™ Low Light Technology as every detail comes through in unprecedented clarity even in low light environment, while delivering superior high definition video quality up to 30 frames per second. The camera also features easy installation with remote focus and zoom, intelligent video detections, recording to the SD/SDHC card, and two-way audio, making it a top-of-the-line solution for professional indoor surveillance.



ONVIF



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.



Intelligent Video Management

The camera features a variety of intelligent video detections, event management and e-PTZ, allowing event/region-specific monitoring that help inform security staff right when the event takes place, while reducing network and storage loads as only relevant video streams will be recorded.



True Day/Night with Mechanical ICR

Featuring IR Cut Filter Removable (ICR) function, the camera is perfect for capturing images under highly variable lighting conditions between day and night, providing superior color images at day time and sharp, noise-free monochrome images in low light to nearly no light environment.



Cost-saving H.264 Technology

The camera supports the H.264 compression standard in multiple streaming. The H.264 greatly reduces the network bandwidth and storage requirement compared to M-JPEG and MPEG4 without compromising the megapixel image quality, while saving significant back-end costs.

Specifications

Video	
Sensor Type	1/3" image sensor optimized for low-light performance
Active Pixels	2304 x 1536 (HxV)
Compression	H.264 / MJPEG
Streaming	Triple simultaneous streams
Resolution	QXGA(2048x1536), 2304x1296, 1080P, SXGA, 720P, SVGA, D1, 4CIF, VGA, CIF
Max. Frame Rate	3MP 4:3 (2048x1536) at 15 fps (NTSC) and 12 fps (PAL) 2MP 16:9 (1920x1080) at 30 fps (NTSC) and 25 fps (PAL)
Day/Night	Mechanical (ICR) D/N Control
Day/Night Mode	Auto/ Forced BW/ Forced Color
Shutter Time	1/8000s to 1/30s Selectable (60Hz); 1/8000s to 1/25s Selectable (50Hz)
Minimum Illumination	0.1 Lux@50IRE (Shutter speed: 1/30 sec)
Video Output	NTSC: 720 X 480@30fps; PAL: 720 X 576@25fps
Bit Rate Control	Primary stream bit rate control: CBR/VBR
Lens	
Type, Focal Length, F-number	Built-in Mechanical IR Cut Filter varifocal lens Motorized Z/F, f=3~9mm, F1.2 (Mega pixel lens)
View Angle	H: 94°(Wide)~33°(Tele)/V:50°(Wide)~19°(Tele)
View Angle Adjustment	Pan: 0°-350°(Max.), Tilt: 15°-90°(Max.), Rotate: 0°-350°(Max.)
IRIS Control	DC IRIS
Audio	
Audio Communication	Two-Way Audio
Compression	G.711-Alaw / G.711-Ulaw, 8kHz
Audio In/Out	External microphone and speaker
Image Enhancement	
Image Settings	Exposure Mode: AES / ALC / Flickerless / Manual; White Balance: Auto / Manual; Backlight Compensation: 6 Area selectable; Saturation, Brightness, Contrast: 255 level sensitivity; Sharpness, Hue: 15 level sensitivity
Digital WDR	Yes, 3 level sensitivity
Privacy Zone	Yes, customized threshold privacy zone
Image Orientation	Mirror, Flip
Intelligent Video & Event Management	
Motion Detection	Yes, 3 level sensitivity
Audio Detection	Yes, 3 level sensitivity
Ethernet Detection	Network loss detection
Smart Encoding	Configurable ROI for better picture quality
Others	Snapshot, e-PTZ

Events	Motion detection, audio detection, external alarm
Event Actions	File upload via FTP, SMTP and SD Card
Store Category	Motion Detection / Alarm / Audio Detection / Schedule recording Stores snapshots
Local Storage*	
Memory Card Slot	SD / SDHC card support up to 32GB
Memory Card Overwrite	Yes
Network	
Protocol	IPv4, HTTP, HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, SNMP, UPnP, SMTP, FTP, DDNS, PPPoE, Bonjour, 802.1X
Ethernet	10Base/100Base-TX with LED status
PoE	IEEE 802.3af, Class 0
ONVIF	Yes
Browser	Internet Explorer 8.0 or above
Security	Multiple user access levels with password protection
I/O & Controls	
Power	2-pin Terminal Block
Alarm In/Out	Terminal block 1 in / 1 out
Network	RJ-45 with LEDs
Audio In/Out	Terminal block 1 in / 1 out
Analog Video	2-Pin to BNC Video Out cable, 1.0Vp-p, 75Ω
Reset	Button
Power	
Power Requirement	DC 12V & AC 24V ± 10% / PoE (IEEE 802.3af)
Power Consumption (Max.)	6W
Mechanical	
Dimensions(ΦxH)	Φ125mm x 106mm (Φ4.92" x 4.18")
Weight	800g (1.1 lb)
3-Axis	Pan: 0°-350°, Tilt: 15°-90°, Rotate: 0°-350°
Battery Backed-up Real-time Clock	Yes; Internal RTC
Environmental	
Operating Temperature	-10°C ~ 50°C (-14°F ~ 122°F)
Operating Humidity	90% RH, non-condensing
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Regulatory	
Approvals	CE, FCC, RoHS
Order Information	
Model No.	NTSC: NDF301-HN5-MES; PAL: NDF301-HP5-MES

*Function not available for models sold in Argentina

Dimensions

