



NDF820PRO

Full HD 1080p Indoor Dome Camera

1/2.7" Lumii sensor, triple streaming, full frame rate, dual H.264 streams, digital day/night, intelligent detections, vandal-bubble

The NDF820PRO Full HD Network Camera offers greater coverage with real-time 1080p video quality up to 30fps, twice as many than its predecessor, providing users with exceptional image clarity, smooth video display, and simply a better viewing experience. Featured H.264 dual streaming reduces costs while improving performance. Backed by the proprietary Lumii™ Technology, the camera sensitivity is further enhanced to deliver sharp, detailed images in Low Light conditions. The camera also features WDR, ePTZ, and intelligent video detections, making it a versatile yet cost-effective solution for most indoor surveillance installations.



ONVIF



Full HD, Full Frame Rate

With Full HD quality images up to 30 frames per second, the camera offers greater resolutions, more coverage, and much smoother video display, providing exceptional details and better chances for identification. Blurry images are reduced as objects of interest come through in perfect clarity 24/7.



Intelligent Video Management

The camera features a variety of intelligent video detections, event management and smart encoding, 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.



PoE Facilitates Easy Installation

Built-in support for Power over Ethernet (PoE) reduces installation cost while adding flexibility by eliminating the need for power outlets at the camera location. A single cable connection is used to view, power, and control the camera. Overall costs are reduced since there is no need for separate cables.



H.264 Dual Streaming

With triple streaming, the camera supports 2 independent H.264 streams simultaneously. This advanced technology greatly saves costs by lowering bandwidth and storage requirement while improving the overall system performance.

Specifications

Video	
Sensor Type	1/2.7" image sensor optimized for low-light performance
Active Pixels	1920x1080 (HxV)
Compression	H.264 / MPEG4 / Motion JPEG
Streaming	Triple simultaneous streams
Resolution	1080p, SXVGA, 720P, XGA, SVGA, D1, VGA, 2CIF, CIF
Max. Frame Rate	2MP 16:9 (1920x1080) at 30 fps (NTSC) and 25 fps (PAL)
Day/Night	Digital D/N Control
Day/Night Mode	Auto
Shutter Time	1/10000s to 1/3.75s selectable (60Hz); 1/10000s to 1/3.125s selectable (50Hz)
Min. Illumination	f=4mm, F1.5 lens: 0.1 Lux@10IRE; 0.4 Lux @50IRE (Shutter speed: 1/15 sec) f=2.8mm, F2.0 lens: 0.18 Lux@10IRE; 0.71 Lux @50IRE (Shutter speed: 1/15 sec) f=8mm, F1.8 lens: 0.15 Lux@10IRE; 0.6 Lux @50IRE (Shutter speed: 1/15 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	f=4mm, F1.5 (selectable) f=2.8mm, F2.0 (selectable)
View Angle	f=4mm, F1.5 lens: H: 65.4°/V:49.9° f=2.8mm, F2.0 lens: H: 110°/V:81.5°
View Angle Adjustment	Pan:0°-355°(Max.), Tilt:0°-90°(Max.), Rotate:0°-355°(Max.)
Image Enhancement	
Image Settings	AWB, AES, AGC Exposure Mode: Auto/Manual; White Balance: Auto/Manual; Backlight Compensation: 5x5 zones selectable; Sharpness, Saturation, Brightness, Contrast: 255 level sensitivity
Digital WDR	Yes; 5 level sensitivity
Privacy Zone	Yes; customized threshold privacy zone
Image Orientation	Mirror, Flip
Frequency Control	50Hz, 60Hz
Date & Time Stamp	Yes
Intelligent Video & Event Management	
Motion Detection	5 x 5 zones, 5 level sensitivity or customized threshold
Face Detection	3 level sensitivity
Blur Detection	Customized threshold
Ethernet Detection	Network loss detection
Smart Encoding	Configurable ROI for better picture quality
Others	Snapshot, Smart Focus, e-PTZ, Optimized i-frame setting
Events	Motion detection, Ethernet detection, face detection, blur detection
Event Actions	File upload via FTP and SMTP. Notification via email, HTTP and TCP
Store Category	Snapshot
Network	

Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, RTCP, ICMP, UPnP
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45
PoE	IEEE 802.3af, Class 3
ONVIF	Yes
Browser	IE Browser 6.0 or Above
Security	Two-level access with password protection
I/O & Controls	
Power	2-pin Terminal Block
Network	RJ45
Analog Video	BNC X1, 1.0Vp-p, 75Ω / RCA x 1
Reset	Within 5 sec for rebooting system; more than 5 sec for loading default
Power	
Power Requirement	DC 12V & AC 24V ± 10% / PoE (IEEE 802.3af)
Power Consumption (Max.)	6W
Mechanical	
Dimensions(ΦxH)	Φ138 mm x 101 mm (Φ5.43" x 3.98")
Weight	1.13kg (2.5 lb)
3-Axis	Pan:0°-355°, Tilt:0°-90°, Rotate:0°-355°
Battery Backed-up Real-time Clock	Yes; External RTC
Environmental	
Operating Temperature	-10°C ~ 50°C (-14°F ~ 122°F)
Operating Humidity	10~ 90% RH
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Regulatory	
Approvals	CE, FCC, RoHS
Order Information	
Model No.	NTSC: NDF820PRO-HN5-MES, NDF820PRO-HN5-28-MES; PAL: NDF820PRO-HP5-MES, NDF820PRO-HP5-28-MES
Accessories	Surface mount: standard package support Pendent mount: SAB755M Wall mount: Bracket SAB755, SAB749-W1

Dimensions

