NDF820

Full HD 1080p, Fixed Indoor Dome Network Camera

1/2.7'' 2M Lumii sensor, 1080p, H.264/MPEG4/MJPEG triple streaming, 4mm focal lens, digital day/night, PoE, vandal bubble

The NDF820 is a cost-effective full HD camera designed to show you extremely detailed images. It features Lumii™ technology that significantly increases light sensitivity to deliver crisp image in the dark. H.264/MPEG4/MJPEG triple streaming gives you a flexible encoding selection. With PoE capability it uses a single cable to transmit power and data at the same time. Also, motion detection and day and night functionality ensures you don't miss a thing. A vandal bubble protects the camera from external impacts. The NDF820 is ideal for any budget.

Features

2MP Lumii sensor	TI DSP	Megapixel
H.264 MPEG4 MJPEG	Full HD	Motion Detection
Networking	0.1 Lux Minimum illumination	Alarm
PoE	Video Out	3 Axis Rotation
D/N		

■ Lumii™ II Technology

Our Lumii™ technology delivers high sensitivity images without blur. Lumii™ helps increase the sensitivity and reduces video noise in low light conditions. Night images become bright and clear.

■ Full HD 1080p Images

Clear and detailed full HD quality images in all conditions. Unlike traditional megapixel cameras, HD offers higher resolutions and better frame rates at an international industry standard. Blurry images are reduced and individuals and objects of interest come through in perfect clarity.

■ Cost-saving H.264 Support

The NDF820 supports the H.264 compression standard. H.264 greatly reduces the size of video compared to MJPEG and MPEG4 without compromising image quality. Storage and bandwidth needs are reduced. Plus, H.264 is expected to become the video standard of choice, so your camera is future proofed.

■ ONVIF Compliant

The NDF820 conforms to Open Network Video Interface (ONVIF) standards to ensure interoperability with other network components in system-wide solutions. ONVIF promotes open-system communications among IP-based physical security devices regardless of manufacturer.

■ PoE Facilitates Easy Installation

Built in support for Power Over Ethernet reduces cost and adds flexibility to the camera. A single cable connection is used to view, power, and control the camera. Installation cost are reduced since there is no need for separate cables.

■ Attention Where It Matters

Intelligent video management software includes motion detection, and event trigger notification. Motion detection sensitivity settings and region specific monitoring ensures only relevant events are monitored. Receive alerts when specific events happen.

■ Vandal Bubble

The NDF820 comes in a scratch-resistant and tough 3mm thick dome bubble, thus protecting the camera against external impacts and tampering.

Specifications

Image System	
Image Sensor	1/2.7" 2MP image sensor optimized for low-light performance
Image Compression Method	Triple Streaming : H.264 / MPEG4 / Motion JPEG
Maximum Framerate vs. Resolution	HDTV 1080p (1920x1080) at 15 fps (NTSC) and 12.5 fps (PAL) and 2MP 16:9 (1280x720) at 30 fps (NTSC) and 25 fps (PAL)
Lens	Built-in Fixed Lens f=4mm, F1.5 (Mega pixel lens)
IRIS Control	DC IRIS
View Angle	H: 65.4°/V:49.9°
View Angle Adjustment	Pan:0°-355°, Tilt:0°-90°, Rotate:0°-355°
Electric	
Shutter Time	Range from 1/10000s to 1/3.75s selectable (60Hz); Range from 1/10000s to 1/3.125s selectable (50Hz)
Day/Night Mode	Auto
Minimum Illumination	0.1 Lux @10 IRE; 0.4 Lux @50 IRE (shutter speed: 1/15sec)
Video Port	BNC X1, 1.0Vp-p, 75Ω / RCA x 1
Video Output	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps
Image Enhance	Exposure Mode: Auto/Manual, White Balance: Auto/Manual; Backlight Compensation: 5x5 zones selectable; Sharpness, Staturation, Brightness, Contrast: 255 level sensitivity
Feature Brief	
Privacy Zone	Yes; customized threshold privacy zone
Alarm Detection	Motion Detection: 5 x 5 zones, 5 level sensitivity or customized threshold
Alarm Event	File upload via FTP and SMTP; Notification via email, HTTP and TCP
Image Orientation	Mirror, Flip
Bit Rate Mode	Primary stream bit rate control: CBR/VBR
Power supply	
Power Requirement	DC 12V & AC 24V ± 10% / PoE (IEEE 802.3af)
Power Connector	Screwless Terminal block
Power Consumption (Max.)	5W
Environment	
Operating Temperature	-10ºC ~ 50ºC (-14ºF ~ 122 ºF)
Operating Humidity	10~ 90% RH
Storage Temperature	-20ºC ~ 60ºC (-4ºF ~ 140 ºF)
Regulatory	CE, FCC, RoHS
Network	
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45
Internet Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, ICMP, UPnP
Browser	IE browser 6.0 or above
I/O connector	
Reset	Within 5 sec for rebooting system; more than 5 sec for loading default
Mechanism	
Dimensions(ΦxH)	Φ138 mm x 101 mm (Φ5.43" x 3.98")
Weight	1.13kg (2.5lb)
Order Information	NTSC model: NDF820-HN5-MES;
	PAL model: NDF820-HP5-MES
Accessory	
Mount Type	Surface mount: standard package support; Pedent mount: SAB755M; Wall mount: Bracket SAB755, SAB749-W1

Dimensions

ø138mm (5.43")
ø108mm (4.25")
ø36mm (1.42")
ø101mm (3.98")

Power in (Red+ / Black-)
RJ-45 (Ethernet Connector)
BNC