

NDF831

Full HD 1080p, Fixed Outdoor Dome Network Camera

1/2.7" 2MP Lumii sensor, 1080p, H.264/MPEG4/MJPEG triple streaming, 3~9mm varifocal lens, mechanical day/night, intelligent detection, PoE, ePTZ, micro SD/SDHC card slot, IP67, vandal-proof



ONVIF



The premium NDF831 is a cutting edge 1080p camera equipped with mechanical (ICR) day/night switch for 24/7 surveillance. As part of MESSOA MegaSmart™ IP products family, the NDF831 features intelligent detection capabilities including motion, audio, blur and network disconnection detection. It also supports local storage to micro SD/SDHC card to ensure nothing is missed in case the network goes down. Completely vandal-proof and IP67 water-proof, along with an optional heater, the NDF831 can withstand even the harshest of conditions. The NDF831 is a top-of-the-line solution for your security needs.



■ 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 NDF831 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.

■ Intelligent Detection Capabilities

The NDF831 has a variety of intelligent detection functions, including motion, audio, blur and network disconnection detection. The Smart Encoding function allows users to encode a specified region of interest (ROI) with higher bit rates for better image quality. Event-specific or region-specific monitoring enables you to receive alerts upon event and saves storage cost by only recording when a specific event happens.

■ 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.

■ ONVIF Compliant

ONVIF is an open industry forum for the development of a global standard for the interface of network video products. The NDF831 supports ONVIF thus allowing interoperability between network video products regardless of brand.

■ Continuous No-Interruption Recording

Record JPEG images or video clips for several days with the built in micro SD/SDHC card slot for up to 32 GB. Keep recording and prevent data loss even when the network goes down. Moreover, the camera's built-in FTP server enables users to view the saved files conveniently from a remote site.

■ Completely Vandal-Proof

A vandal-proof bubble and IK-10 rated impact-resistant housing protect the camera against extreme weather and vandalism, making it perfect for outdoor surveillance.

■ Climate Protection

An optional heater maximizes protection of surveillance equipment in extremely cold weather.

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	2M Full HD 1080p 1920x1080 at 15 fps (NTSC) and 12.5 fps (PAL), 1280x720 at 30 fps (NTSC) and 25 fps (PAL)
Lens	Built-in Mechanical IR Cut Filter varifocal lens f=3~9mm, F1.2 (Mega pixel lens)
View Angle	H: 93°(Wide)~31.7°(Tele)/V:68.4°(Wide)~23.8°(Tele)
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)
Audio	Two-way Mono Audio, Full-duplex, G.711 PCM 8kHz
Alarm	External input
Day/Night Mode	Mechanical (ICR) D/N control; Auto/ Forced BW/ Forced Color/ External
Minimum Illumination	0.08 Lux @10IRE; 0.30Lux @50IRE (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, Saturation, Brightness, Contrast: 255 level sensitivity
Feature Brief	
Digital WDR	Yes; 5 level sensitivity
Privacy Zone	Yes; customized threshold privacy zone
Intelligent Video	Audio detection / Blur detection /Ethernet Detection/ Smart Encoding/ Smart Focus/ e-PTZ/ Event Management
Alarm Detection	Motion Detection: 5 x 5 zones, 5 level sensitivity or customized threshold; Audio Detection: 5 level sensitivity or customized threshold; Blur Detection: customized threshold; External Input
Alarm Event	File upload via FTP, SMTP and micro SD/SDHC Card; Notification via email, HTTP and TCP; External output activation; Video and audio recording to micro SD/SDHC Card
Image Orientation	Mirror, Flip
Bit Rate Mode	Primary stream bit rate control: CBR/VBR
Local Storage	
Memory Card	Micro SD/ Micro SDHC Card up to 32 GB
SD Card Overwrite	Yes
SD Card Store Category	Alarm / Motion / Schedule/ Un-interrupt recording
Power supply	
Power Requirement	DC 12V & AC 24V ± 10% / PoE(IEEE 802.3af) DC24V/AC24V± 10%
Power Connector	Screwless Terminal block
Power Consumption (Max.)	5W 18 W (Heater ON); 5 W (Heater OFF)
Environment	
Operating Temperature	-10°C ~ 50°C (-14°F ~ 122 °F) -40°C ~ 50°C (-40°F ~ 122 °F)
Operating Humidity	10~ 90% RH
Storage Temperature	-20°C ~ 60°C (-4°F ~ 140 °F)
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	
Alarm Port	Terminal block 2 in / 1 out
Audio In / Out port	3.5mm Phone Jack x 2
Reset	Within 5 sec for rebooting system; more than 5 sec for loading default
Mechanism	
Dimensions(ΦxH)	Φ141mm x 121mm (Φ5.55" x 4.76")
Weight	1.3kg (2.87 lb)
Protection Class	IP67, IK10, vandal-proof
Option	Without Heater With Heater
Order Information	NTSC model: NDF831-HN5-MES; PAL model: NDF831-HP5-MES NTSC model: NDF831H-HN5-MES; PAL model: NDF831H-HP5-MES
Accessory	
Mount Type	Surface mount: standard package support; Pendant mount: thread 1" Wall mount:Bracket SAB755BP

Dimensions

