MESSOA®

NDF831
Vandal-Proof, High Definition Dome Camera

1/3'' 2MP Lumii sensor, H.264/MJPEG/MPEG4 triple streaming digital day/night, varifocal lens,1080P, IP66/67 vandal-proof housing

Lumii™ II TECHNOLOGY INSIDE

The NDF831 Network Camera is a high performance HD camera designed to show extreme image detail in the outdoors. H.264/MPEG4/MJPEG triple streaming, motion detection, day and night and SD card functionality ensures you don't miss anything. An IP66/67 vandal proof housing ensures the NDF831 continues working in all conditions. This camera is ideal for outdoor locations.

features

2MP Lumii sensor	TI DSP	Megapixel
H.264	MJPEG	MPEG4
Full HD	Smart Foucs	2-Way audio
Alarm	Motion Detection	D/N
ICR	0.06 Lux Minimum illumination	PoE
Monitor out	Networking	3 Axis rotation
DNR	Micro SD card	Remote Control
IP67 Water Proof	IP66 Water Proof	1000kg Vandal proof

High Definition Images

Clear and detailed 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 Network Camera 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.

Versatility with PoE

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 and are reduced since there is no need for separate cables. Ensure 24 hour surveillance even during a power failure when connected to an Uninterruptible Power Supply.

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.

Continuous No-Interruption Recording

Record JPEG images or video clips for several days with the built in micro SD card slot for up to 32 GB. Keep recording and prevent data loss even when the network goes down. The micro SD card offers a convenient, portable storage option that can be accessed with a web browser.

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.

Vandal-Proof Dome Cover

Certified to IP66 and IP67, the die-cast aluminum alloy housing protects the camera against extreme weather and vandalism (up to 1000 kg of force), making it perfect for outdoor surveillance.

Save on Storage Space

Storage space is reduced since video noise is reduced. The NDF831 uses 22% less space than other cameras.

Climate Protection

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

Specification

Image System			
Image sensor	1/3" 2 MP image sensor optimized for low-light performance		
Effective pixels	Effective 16:9 1920 (H) X 1080 (V)		
Image Compression Method	Triple Streaming : H.264 / MPEG4 / Motion JPEG		
Video Codec/Resolution	H.264	HDTV(16:9):1920X1080(2M) 1280X720	
		SDTV(4:3): 1280x960(SXVGA)	
	MPEG4	HDTV(16:9):1920X1080(2M) 1280X720	
		SDTV(4:3): 1280x960(SXVGA)	
	MJPEG	HDTV(16:9):1920X1080(2M) 1280X720	
		SDTV(4:3): 1280x960(SXVGA)	
Frame rate	Frame rate up to 15fps(NTSC) and 12.5fps(PAL) at 1920x1080; up to 30fps(NTSC) and 25fps(PAL) at 1280x720		
Lens	Built-in Mechanical ICR Filter varifocal lens f=3~9mm, F1.2 (Mega pixel lens)		
Electric			
Sync System	Internal		
AES	1/10000 s to 1/3.75s (selectable)		1/10000 s to 1/3.125s (selectable)
Audio	Two-way Mono Audio, Full-duplex, G.711 PCM 8kHz		
Alarm	2 Inputs / 1 Output		
RS485	Reserve		
Day & Night Mode	ICR D/N control; Auto/ Forced BW/ Forced Color/ External		
Minimum illumination	0.06 Lux @10IRE; 0.24Lux @50IRE		
Video port	BNC X1, 1.0Vp-p, 75Ω / RCA x 1		
TV output	NTSC, 720 X 480 @30fps	PAL, 720 X 576 @25fps	NTSC, 720 X 480 @30fps	PAL, 720 X 576 @25fps
Feature			
Exposure mode	Auto/Manual		
BLC	5 x 5 zones selectable		
White Balance	Auto/Manual		
Sharpness	255 level sensitivity		
Saturation	255 level sensitivity		
Brightness	255 level sensitivity		
Contrast	255 level sensitivity		
Motion detection	Yes; 5 x 5 Motion detection zones & 5 level sensitivity or customized threshold		
Digital WDR	Yes; 5 level sensitivity		
Privacy Zone	Yes; customized threshold privacy zone		
Intelligent Video	Audio detection / Blur detection / Smart Codec/ Smart Focus/ e-PTZ		
Other	Mirror, Flip, system log, snapshot, CBR/VBR		
Local Storage			
Memory Card	Micro SD/ SDHC Card up to 32 GB		
SD card overwrite	Yes		
SD card store category	Alarm / Schedule / Motion		
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		Max. 15W (Heater on)
Environment			
Operating temperature	-10ºC ~ 50ºC (14ºF ~ 122 ºF)		-40ºC ~ 50ºC (-40ºF ~ 122 ºF)
Operating humidity	10~ 90% RH		
Storage temperature	-20ºC ~ 60ºC (-4ºF ~ 140 ºF)		
Network			
Ethernet	10Base-T/100Base-TX Ethernet connection for LAN / WAN		
Internet protocol	TCP/IP, UDP, HTTP, HTTPs, SMTP, DNS, DHCP, NTP, FTP, RTP,RTSP, ICMP, uPNP		
IP	IPv4		
Connectors	RJ-45		
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)	Φ142mmx 120.8mm		
Weight	1.3kg		
Protection Class	IP66/IP67, vandal-proof: 1000 kg impact resistance		
Option	Without Heater		With Heater
Ordering Information	**NDF831-HN5**	**NDF831-HP5**	**NDF831-HN5**	**NDF831H-HP5**