

NDF821

Advanced, Full HD 1080p, Fixed Indoor Dome Network Camera

1/2.7" 2M Lumii sensor, 1080p, H.264/MPEG4/MJPEG triple streaming, varifocal lens, mechanical day/night, intelligent detection, PoE, ePTZ, micro SD/SDHC card slot, vandal bubble



The NDF821 is a high performance full HD day/night camera featuring 2M image quality and intelligent network capabilities. H.264/ MPEG4/MJPEG triple streaming gives you a flexible encoding selection. As part of MESSOA MegaSmart™ IP products family, the NDF821 features various intelligent detection capabilitie, Smart Focus and Smart Encoding. Vari-focal lens, 3-axis and PoE features facilitate simple installation. Other supported features include built-in micro SD/SDHC card slot, video out and two-way audio. This camera is ideal for indoor situations where maximum image quality is vital, such as identifying people or specific objects.



■ 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

■ 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 NDF821 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.

■ 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.

■ Intelligent Detection Capabilities

The NDF821 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

ONVIF Compliant

ONVIF is an open industry forum for the development of a global standard for the interface of network video products. The NDF821 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.

■ Vandal Bubble

The NDF821 comes in a scratch-resistant and tough 3mm thick dome bubble, thus protecting the camera against external impacts and tampering.



Specifications

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Bull-in Restancial R. Cut Place verficeal inter 5 - 3-4mm, 1.2 (Rega panel inter)		
March Control Week Angle H. 95 97 (Winds) — 12 FeV (Teal) (Winds) — 12 F	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)
View Anglies B. 1997(Wise) = 2.27 (Tate) Pr. 608, 47 (Wise) = 2.28 (Tate) Pr. 1997 (Wise) Pr. 255 (Tate) Pr. 907, Rocate (Pr. 935) Electic Shotter Time Range from 1/10000s to 1/3.755 selectable (69th); American (10000s to 1/3.1255 selectable (59th); American (10000s to 1/3.1255 selectable); American (10000s to 1/3	Lens	Built-in Mechanical IR Cut Filter varifocal lens f=3~9mm, F1.2 (Mega pixel lens)
Page	IRIS Control	DC IRIS
Statistic Stat	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°
Auton	Electric	
Day/Right Mode	Shutter Time	Range from 1/10000s to 1/3.75s selectable (60Hz); Range from 1/10000s to 1/3.125s selectable (50Hz)
No.	Audio	Two-way Mono Audio, Full-duplex, G.711 PCM 8kHz
Minimum Illumination Minimum	Alarm	External input
Video Output IMBNOTATI, 1.0Mp-p, 750 / REA x 1 Video Output INSC-720 x 480 e30rps, PAL 720 x 576 e254p Timege Enhance Exposure Mode: Auto/Manual; White Balance: Auto/Manual; Backlight Compensation: 5x5 zones selectable Sharpness, Southordon, displacess, Conforast; 255 level sensitivity Feature Brid Digital WDR Yes years sensitivity Privacy Zone Auto-Manual; Packlight Compensation: 5x5 zones selectable privacy zone Intelligent Video Auto-displace detection / Blur detection / Fisher the Detection / Smart Encoding/ Smart Focus(+PT/2 Event Management) Alarm Detection Motion Detection: 5 x 5 zones, Jevel sensitivity or customated threshold; Judio Detection: 5 level sensitivity or customated threshold; Judio Detection: 5 x 5 zones, Jevel Smarthy or customated threshold; Judio Detection: 5 level sensitivity or customated threshold; Judio Detection: 5 x 5 zones, Jevel Smarthy or customated threshold; Judio Detection: 5 x 5 zones, Jevel Smarthy or customated threshold; Judio Detection: 5 x 5 zones, Jevel Smarthy or customated threshold; Judio Detection: 5 x 5 zones, Jevel Smarthy or customated threshold; Judio Detection: 5 x 5 zones, Jevel Smarthy or customated thre	Day/Night Mode	Mechanical (ICR) D/N control; Auto/ Forced BW/ Forced Color/ External
Video Output NTSC: 72 0 X 480 @ 30 Pps; PAL: 720 X 576 @ 25 Pps Image Enhance Exposure Mode: Auton/Manual; White Balance: Auton/Manual; Backlight Compensation: Sx5 zones selectable Sharpenes, Subtraction, Septimenes, Contract 25 Series desentivity Feature Brief Yes; 5 level sensitivity Privacy Zone Yes; 5 level sensitivity Letteligent Vidos Audio detection / Blur detection / Ellur detection / Smart Focus/ 9 FmIZ Event Management Alarm Detection Motion Detection: 5 x 5 zones, 5 level sensitivity or customized threshold; Brain Focus, 6 PmIZ Event Management Alarm Event Flie upload via FTP, SMTP and micro SD/SDNC Card; Relification via ermal, HTTP and TCP; External output activation Video and audio recording to micro SD/SDNC Card; Net Recording Network SD/SDNC Card; Net Recording to Micro SD/SDNC Card; Network SD/SDNC Card; N	Minimum Illumination	0.08 Lux @10IRE; 0.30Lux @50IRE (shutter speed: 1/15sec)
Exposure Mode: Auto/Manual; White Balance: Auto/Manual; Backlight Compensation: 545 zines selectable Sharpness, Saturation, Brightness, Contrast: 255 level sensitivity Feature Brid Digital WDR News Control Alam Detection Sharpness, Saturation, Brightness, Contrast: 255 level sensitivity Mode: Sharpness, Saturation, Brightness, Contrast: 255 level sensitivity Privacy Zone Auto-Control Alam Detection Sharpness, Selection of Privacy Zone Alam Detection Sharpness, Selection of Burn feoration of Privacy Zone Alam Detection Sharpness, Selection of Exposers, Selection Sharpness, Selection	Video Port	BNC X1, 1.0Vp-p , 75Ω / RCA x 1
Sharpness, Starutation, Brightness, Contrast: 255 level sensitivity	Video Output	
Option WDR Yes; 5 level sensitivity Privacy Zone Yes; customized fireshold 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 thr	Image Enhance	
Privacy Zone	Feature Brief	
Alam Detection Motion Detection S x 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 verification via email, HTP and TCP; External output activation Video and audio recording to midor of the control. CBR/VBR Before the control of the control carbon of the control carbon via email, HTP and TCP; External output activation Video and audio recording to midor recording the control carbon via email, HTP and TCP; External output activation via email, HTP and TCP; External Input via email in the control carbon via email, HTP and TCP; External Input via email via e	Digital WDR	Yes; 5 level sensitivity
Alam Detection Motion Detection S x 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 ver 5 zones, 5 level sensitivity or customized threshold; Audio Detection is 5 verification via email, HTP and TCP; External output activation Video and audio recording to midor of the control. CBR/VBR Before the control of the control carbon of the control carbon via email, HTP and TCP; External output activation Video and audio recording to midor recording the control carbon via email, HTP and TCP; External output activation via email, HTP and TCP; External Input via email in the control carbon via email, HTP and TCP; External Input via email via e	Privacy Zone	
Motion Detection: S x S zones, S level sensitivity or customized threshold; Audio Detection: S level sensitivity or customized threshold; Datamain Dat		
Wall House (Palls) Video and audio recording to micro SI/SPHC Card Image Orientation Mirror, Filp Bit Rate Mode Primary stream bit rate control: CBR/VBR Local Stroage Property Stroage Wemory Card Micro SD/SDHC Card up to 32 GB SD Card Overwrite Yes SD Card Overwrite Yes SD Card Overwrite Power Supply Power Education DC 12V & AC 24V ± 10% / PoE(IEEE 802.3af) Power Connector Screwless Terminal block Power Consumption (Max.) SCrewless Terminal block Power Consumption (Max.) Screwless Terminal block Operating Temperature 100 - 90% RH Operating Temperature 100 - 90% RH Operating Temperature 100 - 90% RH Regulatory Expression (APP) Regulatory Expression (APP) Reserver 100 - 90% RH Network Etternet 100 - 90% RH Internet Protocol IPV4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, R		Motion Detection: 5 x 5 zones, 5 level sensitivity or customized threshold; Audio Detection: 5 level sensitivity or customized threshold;
Bit Rate Mode	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
Cool Storage Memory Card Micro SD/SDHC Card up to 32 GB SD Card Overwite Yes SD Card Store Category Alarm / Motion / Schedule/ Un-interrupt recording Power Requirement Power Requirement DC 12 V& AC 24V ± 10% / PoE(IEEE 802.3af) Power Consumption (Max.) 5W Power Consumption (Max.) 5W Fower Consumption (Max.) 5W Coperating Temperature 1.0°C ~ 50°C (-14% ~ 122 °F) Operating Temperature 1.0° ~ 90% RH Storage Temperature 2.0°C ~ 60°C (-49°F ~ 140 °F) Storage Temperature 1.0°Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45 Ethernet 1.0°Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45 Internet Protocol 1.0°P CARD / TEMPER	Image Orientation	Mirror, Flip
Memory Card Micro SD/SDHC Card up to 32 GB SD Card Overwrite Yes SD Card Store Category Alarm / Motion / Schedule/ Un-interrupt recording Power Supply Power Category Power Requirement DC 12V & AC 24V ± 10% / PDE(IEEE 802.3af) Power Connector Screwless Terminal block Power Consuption (Max.) 5W Environment 5W Operating Temperature -10°C ~ 50°C (-149F ~ 122 9F) Operating Humidity 10~ 90% RH Storage Temperature -20°C ~ 60°C (-49F ~ 140 °F) Regulatory CE, FCC, RoHS Network Ethernet Ethernet 108ase-T/1008ase-TX Ethernet connection for LAN / WAN, R3-45 Internet Protocol 1Pv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, ICMP, UPnP Browser IE browser 6.0 or above L/O connector Alarm Port Terminal block 2 in / 1 out Audio In / Out port Sec for rebooting system; more than 5 sec for loading default Mechanism Wight 5 sec for rebooting system; more than 5 sec for loading default Orea Information PAL model: NDF821-NPS-MES	Bit Rate Mode	Primary stream bit rate control: CBR/VBR
SD Card Overwrite Yes SD Card Store Category Alarm / Motion / Schedule/ /Un-interrupt recording Power supply Power Requirement DC 12V & AC 24V ± 10% / PDE(IEEE 802.3af) Power Consumption (Max.) SW Power Consumption (Max.) SW Operating Temperature -10°C ~ 50°C (-149F ~ 122 °F) Operating Humidity 10~ 90% RH Storage Temperature -20°C ~ 60°C (-49F ~ 140 °F) Regulatory CE, FCC, RoHS Network 108ase-T/100Base-TX, Ethernet connection for LAN / WAN, R3-45 Internet Protocol 1Pv4, TCP/IP, LDP, HTTP, SMTP, DMS, DHCP, NTP, FTP, RTP,RTSP, ICMP, UPnP Browser 1E browser 6.0 or above I/O connector Audio In / Out pot 3.5mm Phone Jack x 2 Reset Within 5 sec for rebooting system; more than 5 sec for loading default Mechanism Wight 418 mm x 101 mm (95,43* x 3.98*) Order Information PAL model: NDF821-HNS-MES	Local Storage	
SD Card Store Category Alarm / Motion / Schedule/ Un-interrupt recording	Memory Card	Micro SD/SDHC Card up to 32 GB
Power Requirement DC 12V & AC 24V ± 10% / PoE(IEEE 802.3af) Power Connector Screwless Terminal block Power Consumption (Max.) 5W Environment Foundation (Max.) Operating Temperature -10°C ~ 50°C (-149F ~ 122 °F) Operating Humidity 10~90% RM Operating Temperature -20°C ~ 60°C (-49F ~ 140 °F) Regulatory EE, FCC, RoHS Network Ethernet 10Base -1/100Base-TX Ethernet connection for LAN / WAN, RJ-45 Internet Protocol 1Pv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTF, FTP, RTP, RTSP, ICMP, UPPP Browser 1E browser 6.0 or above I/O connector Audio In / Out port 3.5mm Phone Jack x 2 Reset Within 5 sec for rebotting system; more than 5 sec for loading default Mechanism 4138 mm x 101 mm (95.43* x 3.98*) Weight 1.13kg (2.5lb) Order Information PAL model: NDF821-HP5-MES	SD Card Overwrite	Yes
Power Requirement DC 12 V & AC 24V ± 10% / PoE(IEEE 802.3af) Power Connector Screwless Terminal block Power Consumption (Max.) 5W Exhibition (Max.) Operating Temperature -10°C ~ 50°C (~14°F ~ 122 °F) Operating Humidity 10~90% RH Storage Temperature Expect (~4°F ~ 140 °F) Regulatory CE, FCC, RoHS Network CE, FCC, RoHS Ethernet 10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45 Internet Protocol 1Pv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP,RTSP, ICMP, UPP Browser IE browser 6.0 or above I/O connector Internet Protocol Terminal block 2 in / 1 out 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 Total Contractor Weight 6 138 mm x 101 mm (65.43" x 3.98") Weight 6 138 mc x 101 mm (65.43" x 3.98") Weight 6 138 mc x 101 mm (65.43" x 1.98E.) PAL model: NDF821-HN5-MES.	SD Card Store Category	Alarm / Motion / Schedule/ Un-interrupt recording
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Operating Temperature -10°C ~ 50°C (-14°F ~ 122°F) Operating Humidity 10~90% RH Storage Temperature -20°C ~ 60°C (-49°F ~ 140°F) Regulatory CE, FCC, RoHS Network Ethernet 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, UPPP 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 0138 mm x 101 mm (05.43" x 3.98") Weight 1.13kg (2.5lb) Order Information NTSC model: NDF821-HN5-MES; PAL model: NDF821-HP5-MES	Environment	
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Storage Temperature -20°C ~ 60°C (-4°F ~ 140 °F) Regulatory CE, FCC, RoHS Regulatory CE, FCC, RoHS Retwork 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 IV Connector Alarm Port Terminal block 2 in / 1 out Audio In / Out port Simple Jack x 2 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 (2.5ib) Order Information NTSC model: NDF821-HN5-MES; PAL model: NDF821-HPS-MES		
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Internet Protocol IPV4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP,RTSP, ICMP, UPPP 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) Φ138 mm x 101 mm (Φ5.43" x 3.98") Weight 1.13kg (2.5lb) Order Information PAL model: NDF821-HN5-MES; PAL model: NDF821-HP5-MES		10Base-T/100Base-TX Ethernet connection for LAN / WAN R1-45
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Order Information NTSC model: NDF821-HN5-MES; PAL model: NDF821-HP5-MES		
Order Information PAL model: NDF821-HP5-MES	Weight	
PAL model: NDF821-HP5-MES	Order Information	
		PAL model: NDF821-HP5-MES
Accessory	Accessory	
Mount Type Surface mount: standard package support; Pendent mount: SAB755M Wall mount: Bracket SAB755, SAB749-W1	Mount Type	

Dimensions

