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NDR891PRO

Full HD 1080p Outdoor IR Dome Camera

1/2.7" Lumii sensor, 25M (82ft) IR, triple streaming, full frame rate, dual H.264 streams, mechanical ICR day/night, intelligent detections, IP67, IK10

The NDR891PRO 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. Powered by the proprietary Lumii™ Technology, the high sensitivity sensor ensures clear and noise-free images across the covered scene in low light conditions. Vandal-resistant and waterproof, the NDR891PRO can withstand harsh impacts and heavy rain in the outdoor environment.

3 year warranty

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, offering exceptional details and better chances for identification. Blurry images are reduced as objects of interest come through in perfect clarity anytime.

True Day/Night with Mechanical ICR

The camera is perfect for capturing images under highly variable lighting conditions between day and night, providing superior color images at day time and sharp, noise-free monochrome images in low to no light environment.

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.

Outdoor-ready Design

Both water- and vandal-resistant, the sturdily built dome camera is fully compliant with IP67 and IK10 standards, offering protection against harsh weather and impacts for outdoor surveillance installations.

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, MPEG-4, MJPEG
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	Mechanical (ICR) 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. llumination	IR LED Off (shutter speed: 1/15sec): 0.06 Lux @10IRE; 0.30Lux @50IRE IR LED On: 0 lux
Video Output	NTSC: 720 X 480@30fps; PAL: 720 X 576@25fps
Bit Rate Control	CBR/VBR (Primary Stream)

Lens

Type, Focal Length, F-number	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°(Max.); Tilt:0°-90°(Max.); Rotate:0°-355°(Max.)
IRIS Control	DC IRIS

IR LEDs

LED Quantity	20 pcs (850nm)
IR Distance	25 meters (82 ft.)
IR Activation	Under 10 Lux with auto-control
LED Life	More than 10,000 hours (50°)

Audio

Audio Communication	Two-way mono audio, Full-duplex
Compression	G.711, PCM, 8kHz
Audio In/Out	External microphone and speaker

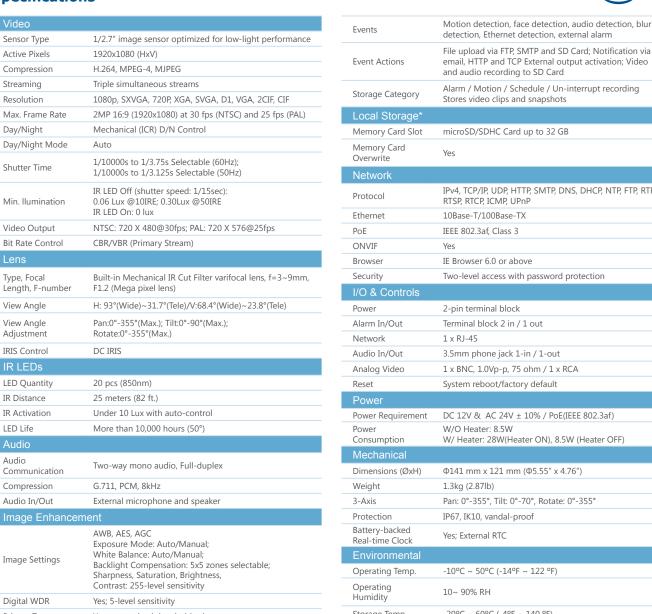## Image Enhancement

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 & Even Management

Motion Detection	5x5 zones, 5-level sensitivity or customized threshold
Face Detection	3 level sensitivity
Audio Detection	5-level sensitivity or customized threshold
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, face detection, audio detection, blur detection, Ethernet detection, external alarm
Event Actions	File upload via FTP, SMTP and SD Card; Notification via email, HTTP and TCP External output activation; Video and audio recording to SD Card
Storage Category	Alarm / Motion / Schedule / Un-interrupt recording Stores video clips and snapshots

Local Storage*

Memory Card Slot	microSD/SDHC Card up to 32 GB
Memory Card Overwrite	Yes

Network

Protocol	IPv4, TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, RTCP, ICMP, UPnP
Ethernet	10Base-T/100Base-TX
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
Alarm In/Out	Terminal block 2 in / 1 out
Network	1 x RJ-45
Audio In/Out	3.5mm phone jack 1-in / 1-out
Analog Video	1 x BNC, 1.0Vp-p, 75 ohm / 1 x RCA
Reset	System reboot/factory default

Power

Power Requirement	DC 12V & AC 24V ± 10% / PoE(IEEE 802.3af)
Power Consumption	W/O Heater: 8.5W W/ Heater: 28W(Heater ON), 8.5W (Heater OFF)

Mechanical

Dimensions (ØxH)	Φ141 mm x 121 mm (Φ5.55" x 4.76")
Weight	1.3kg (2.87lb)
3-Axis	Pan: 0°-355°, Tilt: 0°-70°, Rotate: 0°-355°
Protection	IP67, IK10, vandal-proof
Battery-backed Real-time Clock	Yes; External RTC

Environmental

Operating Temp.	-10°C ~ 50°C (-14°F ~ 122 °F)
Operating Humidity	10~ 90% RH
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140 °F)

Order Information

Model No.	NTSC: NDR891PRO-HN5-MES (w/o heater); NDR891PROH-HN5-MES (w/ heater) PAL: NDR891PRO-HP5-MES (w/o heater); NDR891PROH-HP5-MES (w/ heater)
Accessories	Surface mount: standard package support Pendent mount: thread 1" Wall mount: bracket SAB755BP

*1. Memory card not included.
2. No memory card clot & local storage function for Argentina and Ecuador
3. Function not available for models sold in Argentina

Dimensions

141mm (5.55")
121mm (4.76")
Ø108mm (4.25")

Power in (Red+ / Black-)
RJ-45 (Ethernet Connector)
BNC
Audio out (Green)
Audio in (Red)
Alarm out (Orange)
Reserved (Green)
Reserved (Yellow)
GND (Gray)
Alarm in 1 (Red)
Alarm 2 (Brown)