



NDR890 megapixel network IR vandal-proof camera

color network dome camera with
MPEG-4 x 2 & Motion JPEG triple streaming, 25M IR
ICR day/night switching



The NDR890 is a high-performance megapixel network camera. The NDR890's extremely high resolution makes it perfect for identification applications.

- **Exceptional Images**

NDR890 employs a 5MP Lumii sensor that quadruples sensitivity without blurring. The camera utilizes Lumii technology to monitor the surveillance area in great detail in even the most difficult lighting conditions, delivering crisp and detailed images that are perfect for object- and person-recognition. The camera's high resolution also enables it to provide larger overviews, increasing the size of the surveillance area without affecting image resolution.

- **Smartfocus**

A built-in nine-point focus indicator enables the camera to focus precisely and automatically on objects, relieving users of the need to adjust the focus manually.

- **Powerful IR Illuminator**

The powerful IR illuminator lights objects evenly, reducing image noise and storage requirements. The IR illuminator activates automatically when the lighting dims to under 10 lux. In night mode, the illuminator enables the camera to capture images at even 0 lux. To help minimize energy usage, the camera also comes equipped with a high-power LED.

- **ICR Day/Night Switching**

The NDR890 incorporates a mechanical ICR filter to capture perfect pictures at any light level. The camera switches between its day and night modes automatically depending on the lighting conditions, enabling it to capture color video in even 0.3-lux conditions and black/white video in as little as 0 lux, ensuring crisp, clear images at all times. The camera's megapixel resolution and mechanical ICR filter deliver sharp, detailed captures and images of distant objects in even total darkness.

- **Vandal-Proof Housing Certified to IP66 and IP67**

Certified to IP66 and IP67, the die-cast aluminum alloy housing protects the camera against extreme bad weather and vandalism, making it perfect for outdoor surveillance.

- **SD Memory Card Storage**

The NDR890 is equipped with an SD card that enables round-the-clock monitoring, ensuring that the camera can store captured images even in the event that its network connection goes down. The NDR890 delivers all-day surveillance and round-the-clock security.

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MESSOA reserves the right to update this datasheet at any time without notice.

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Specification

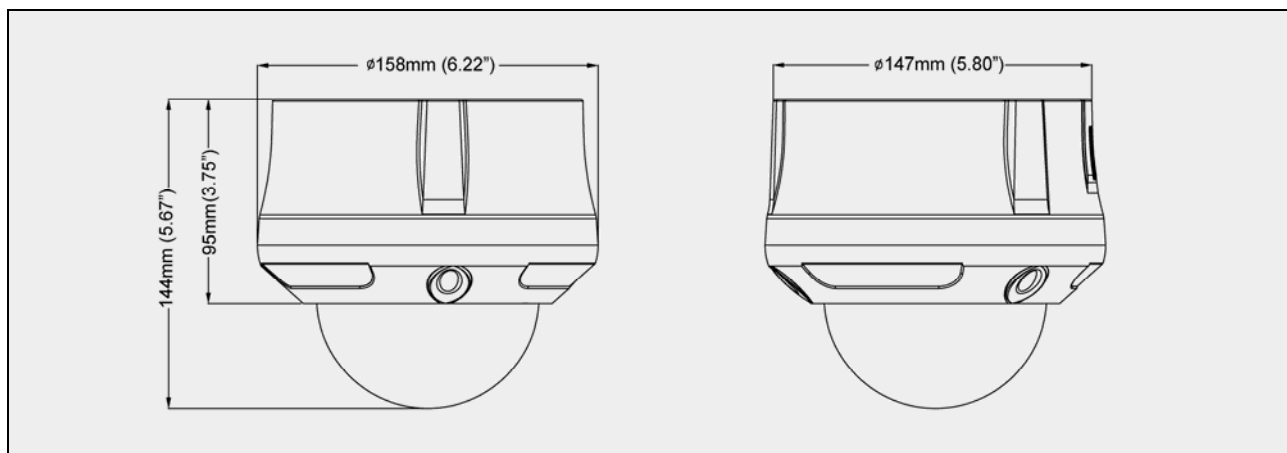
| Image System | | | | | |
|--------------------------|---|-----------------------|-------------------------------|-----------------------|-------------|
| Image sensor | 1/2.5" 5 MP Lumii image sensor optimized for low-light performance | | | | |
| Effective pixels | 2592 (H) X 1944 (V) | | | | |
| Image Compression Method | Triple Streaming : MPEG4 x2/ Motion JPEG x1 | | | | |
| Resolution/ Frame rate | MPEG4: HD 720P 1280 X 720 @30fps, 640 X480@30fps, 352 X192@30fps | | | | |
| | MJPEG: 640 X 480@30fps, 640 X 352@30fps | | | | |
| Electric | | | | | |
| Sync system | Internal | | | | |
| Built-in lens | f=2.7 ~ 9 mm, F1.2, Varifocal Megapixel lens | | | | |
| | IR-corrected, Angle of view: 30° ~ 101° (Horizontal) | | | | |
| Shutter time | AES 1/10000 to 1/3.75 sec | | | | |
| Audio | Two-way Mono Audio, Full-duplex, G.711 PCM 8kHz 64kbit/s | | | | |
| Alarm | Yes; 1x Alarm-in, 1x Alarm-out | | | | |
| Motion detection | Yes; 4 x 3 MD window & 5 level sensitivity | | | | |
| SD Card | Support micro SDHC card (up to 32 Gb) | | | | |
| Day & Night Mode | Mechanical ICR Filter | | | | |
| Minimum illumination | IR LED OFF: 0.3lux (F1.2, 50 IRE) | | | | |
| | IR LED ON: 0lux | | | | |
| IR LED | IR LED 24pcs(850nm) | | | | |
| IR distance | 25 meters (82 ft.) | | | | |
| IR turn on status | Under 10 lux by auto control | | | | |
| LED life | More than 10,000 hours (50°C) | | | | |
| TV output | NTSC, 720 X 480 @30fps | PAL, 720 X 576 @25fps | NTSC, 720 X 480 @30fps | PAL, 720 X 576 @25fps | |
| Feature | | | | | |
| BLC | ON/Off | | | | |
| White Balance | Auto/Daylight/Fluorescent/Incandescent | | | | |
| Sharpness | Low/ Middle/High | | | | |
| Saturation | Low/ Middle/High | | | | |
| Brightness | Low/ Middle/High | | | | |
| Contrast | Low/ Middle/High | | | | |
| Other | Mirror, Flip, system log, snapshot | | | | |
| Power supply | | | | | |
| Power requirement | DC12V/ AC24V±10%/ PoE(IEEE 802.3af) When using the heater:DC24V/ AC24V±10% | | | | |
| Power consumption | < 8W (When using the heater: < 18W) | | | | |
| Power connector | Screwless Terminal block | | | | |
| 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) | | | | |
| Network | | | | | |
| Ethernet | 10Base-T/100Base-TX | | | | |
| Internet protocol | TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, FTP, RTP, RTSP, ICMP, uPNP | | | | |
| Connectors | RJ-45 Ethernet 10Base-T/100Base-TX | | | | |
| Browser | IE browser 6.0 or above | | | | |
| I/O connector | | | | | |
| Video port | BNC X1, 1.0Vp-p, 75Ω | | | | |
| Alarm port | Terminal block | | | | |
| Audio port | 3.5mm Phone Jack | | | | |
| Mechanism | | | | | |
| Dimensions(øxH) | ø158mmx144mm (ø6.22" x 5.67") | | | | |
| Weight | 1.28 kg (2.82 lb.) | | | | |
| Protection Class | IP66/IP67, vandal-proof: 1000 kg impact resistance | | | | |
| Option | | Without Heater | | With Heater | |
| Order Information | | NDR890-HN5 | NDR890-HP5 | NDR890H-HN5 | NDR890H-HP5 |

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Dimensions



Optional Accessories

