# NCR772

## 2MP IR Bullet Network Camera

1/2.7" Lumii sensor, H.264, 10M (33ft) IR, dual streams, ICR D/N, WDR, PoE, IP67

MESSOA NCR772 is a compact, high-performance bullet-type Full HD IR camera designed for maximum flexibility and plug-and-play integration with MESSOA Lite Series NVR. Measuring just 10cm in length, the compact yet versatile form factor makes the camera a perfect solution for applications demanding discreet and non-intrusive installations, such as boutiques and retail shops. The built-in IR LED provides night vision up to 10 meters. The IP67-rated water-resistant metallic housing also adds assurance to the camera's durability and reliable operation in a wide range of indoor/outdoor environments.

### Easy Plug-and-play NVR Solution Ready

The camera supports plug-and-play when joined with the MESSOA Lite Series NVR, making installation hassle-free. It is ideal for users who are new to IP technology but want to take a leap forward from analog.

### Superior Video Quality at Full Frame Rate

With Full HD video quality up to 30fps, the camera captures every critical moment with smooth video display. Increased frame frequency reduces blurry images and particularly suits motion-sensitive applications.

### 10m Night Vision with Even IR Illumination

Built in with IR LED, the camera provides night vision up to 10 meters. The IR illuminator is further enhanced by its smart sensor design to accurately detect changes in lighting and to deliver perfect image quality in low light conditions.

### Outdoor-ready Design Ensures Camera Durability

The camera is perfectly suited for both indoor and outdoor environments with its IP67-rated water-resistant housing, which ensures protection against heavy rain and dust.

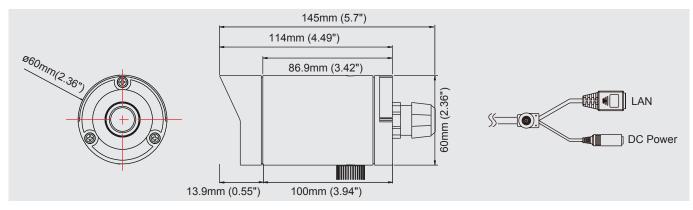### Compact Design Ideal for Discreet Surveillance

The sleek, compact-designed housing allows the camera to be easily installed and blend in the environment for unobtrusive monitoring, which is perfectly suited where discreet, covert surveillance is required.

# Specifications

## Video

| | |
|---|---|
| Sensor Type | 1/2.7" 2MP progressive scan CMOS sensor |
| Active Pixels | 1920 x 1080 (HxV) |
| Compression | H.264/MPEG4/Motion JPEG |
| Streaming | Dual simultaneous streams |
| Resolution | 1920x1080, 1280x720, 800x450, 640x360, 320x180 |
| Max. Frame Rate | Full HD (1920x1080) at 30/25ps (NTSC/PAL) |
| Day/Night | Mechanical (ICR) D/N Control |
| Day/Night Mode | Auto/Day/Night |
| Shutter Time | Range from 1/7s to 1/30,000s |
| Minimum Illumination | IR LED Off (shutter speed: 1/30 sec): 0.2 lux @10IRE; 0.8 lux @50IRE; IR LED On: 0 lux |
| Bit Rate Control | Simultaneous stream bit rate control: CBR/VBR/ECBR/EVBR |

## Lens

| | |
|---|---|
| Lens Type | Built-in, Fixed |
| Focal Length | f=4mm, F1.8 |
| View Angle | H: 84.8°/ V: 45.2° |

## IR LEDs

| | |
|---|---|
| LED Quantity | 12 pcs (850nm) |
| IR Distance | 10 meters (33 ft.) |
| IR turn on status | Under 10 Lux by auto control (light sensor), threshold adjustable in UI |
| LED Life | More than 10,000 hours (50ºC) |

## Image Enhancement

| | |
|---|---|
| Image Settings | AWB, AES, AGC; Flickerless Mode: On/Off Exposure & Gain Mode: Auto/Manual; White Balance: Auto/Fixed; Sharpness, Saturation, Brightness, Contrast: 17 level sensitivity; Exposure: 15 level sensitivity |
| Digital WDR | Yes; 8 level sensitivity |
| DNR | Auto/On/Off |
| Privacy Zone | Yes; customized threshold privacy zone (up to 8) |
| Image Orientation | Mirror, Flip |
| Frequency Control | 50Hz, 60Hz |
| Date & Time Stamp | Yes |
| Test Overlay | Yes |

## Intelligent Video & Event Management

| | |
|---|---|
| Motion Detection | Up to 3 customized threshold detection windows, 101 detected object size or level sensitivity |
| Ethernet Detection | Network Fail detection |
| Others | Snapshot, digital Zoom, Optimized i-frame setting |
| Events | Motion/Tamper detection, Manual Trigger, Network Fail, Periodically Trigger. |
| Event Actions | File upload via FTP, SMTP and SAMBA; Notification via FTP, and email; Video recording to SAMBA |

| | |
|---|---|
| Store Category | Alarm/Motion/Schedule/Un-interrupt recording Stores video clips and snapshots |

## Network

| | |
|---|---|
| Protocol | IPv4, IPv6, HTTP, HTTPS, SMTP, FTP, DHCP, NTP, TCP/IP, UPnP, RTSP/RTP/RTCP, DNS, DDNS, PPPoE, IGMP, QoS, Bonjour, Samba, Multicast |
| Ethernet | 10Base-T/100Base-TX Ethernet connection for LAN/WAN, RJ-45 |
| ONVIF | Yes |
| Browser | IE Browser 8.0 or above, Chrome, Firefox, Safari |
| Security | Three-level access with password protection |

## I/O & Controls

| | |
|---|---|
| Power | DC Jack (2.0mm) |
| Power LED Indicator | Yes |
| Network | RJ-45 with LEDs (Network indicator) |
| Reset | Within 1 sec for rebooting system; more than 10 sec until red LED starts to flash for loading default |
| Bicolor LED | Power & System Status |

## Power

| | |
|---|---|
| Power Requirement | DC 12V ± 10% / PoE (IEEE 802.3af) |
| Power Consumption | 9W (Max.) |

## Mechanical

| | |
|---|---|
| Dimensions(ΦxH) | Φ60mm x 114mm (Φ 2.36" x 4.49") |
| Weight | 548g (1.21 lb) w/o bracket |
| Protection | IP67 |
| Battery Backed-up Real-time Clock | Yes; Internal RTC |

## Environmental

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|---|---|
| Operating Temperature | -10°C ~ 50°C ( 14°F ~ 122°F ) |
| Operating Humidity | 20~ 90% RH |
| Storage Temperature | -10°C ~ 55°C ( 14°F ~ 131°F ) |

## Regulatory

| | |
|---|---|
| Approvals | CE, FCC, RoHS |

## Ordering Information

| | |
|---|---|
| Model No. | NTSC: NCR772-N1-MES; PAL: NCR772-P1-MES |
| Accessories | Wall Mount Stand |

# Dimensions



ø60mm(2.36")

145mm (5.7")
114mm (4.49")
86.9mm (3.42")
60mm (2.36")
13.9mm (0.55")
100mm (3.94")

LAN
DC Power