



## NDZ760

### 1.3MP Pan/Tilt Network Camera

1/4" sensor, multiple streaming, full frame rate, ICR day/night, pan & tilt, intelligent detections, local storage

The NDZ760 Pan/Tilt Network Camera is a smart, compact solution, fit for homes, small businesses, offices or restaurants. The camera brings superior image quality, featuring 1.3-megapixel resolution at full frame rate provided in H.264 and M-JPEG compression. Featuring pan/tilt capabilities, 3-meter (11ft) IR LED, and true ICR day/night, the camera is great for 24/7 surveillance monitoring entrances or tracking movements. It is also very easy to install and duly supports plug-and-play when combined with MESSOA Lite NVR Solution, perfect for users who are new to the technology but want to take a leap forward from analog.



#### True Day/Night with Mechanical ICR

The camera automatically switches between color and B/W modes according to the light changes in the environment. It provides perfect color images at day time by filtering out IR light and crisp monochrome images as light diminishes below a certain level.



#### H.264/MJPEG Multi-profile Streaming

The camera supports multi-profile streaming in H.264 and Motion JPEG compression. H.264 enables optimization for bandwidth and storage efficiency by maximizing compression while maintaining image quality.



#### Pan/Tilt Capability

The Pan/Tilt function offers 355-degree pan and 120-degree tilt control, allowing users to monitor a much larger and wider area, while maximizing the field of view instead of just seeing straight ahead.



#### Intelligent Video Management

The camera features motion detection, event management and smart encoding, allowing event/region-specific monitoring that help users stay informed when an event takes place, while reducing network and storage loads as only relevant video streams will be recorded.



#### NVR Solution Ready

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

## Specifications

| Video                                |   |
|--------------------------------------|---|
| Sensor Type                          | 1/4" image sensor   |
| Active Pixels                        | 1280 x 1024 (HxV)   |
| Compression                          | H.264 / Motion JPEG   |
| Streaming                            | Simultaneously multi-profile streaming  |
| Resolution                           | SXGA, VGA, QVGA, 160x120 (1.3 Mega Mode); 720P, 640x360, 160x90 (720p Mode)   |
| Max. Frame Rate                      | 1.3MP (1280x1024) at 30 fps (NTSC/PAL)  |
| Day/Night                            | Mechanical (ICR) D/N Control  |
| Day/Night Mode                       | Night Mode / Day Mode / Auto / Schedule   |
| Shutter Time                         | Range from 1/120s to 1/5s Selectable (60Hz); Range from 1/100s to 1/4s Selectable (50Hz)  |
| Minimum Illumination                 | IR LED OFF: 1.6 Lux @50IRE (Shutter speed: 1/15 sec)<br>IR LED ON: 0 Lux  |
| Bit Rate Control                     | Multi-profile bit rate control: CBR/ VBR/ ECBR/ EVBR  |
| Lens                                 |   |
| Type, Focal Length, F-number         | Built-in Fixed lens, f=4.2 mm, F1.8(Megapixel lens)   |
| View Angle                           | H: 50° / V: 38° (1.3MP Mode)<br>H: 50° / V: 26° (720p Mode)   |
| P/T Operation                        |   |
| Pan Range                            | 355° (-177.5° ~ +177.5°)  |
| Tilt Range                           | 120° (-30° ~ +90°)  |
| Manual Pan Speed                     | 90°/ second (max); 1°/ second (min)   |
| Manual Tilt Speed                    | 90°/ second (max); 1°/ second (min)   |
| Preset Speed                         | 90°/ second (max); 1°/ second (min)   |
| Programmable Presets                 | 128   |
| Stop Time                            | 0 to 86400 seconds customized threshold   |
| Functionalities                      | Auto pan mode, Auto tour mode (up to 16 tours)  |
| IR LEDs                              |   |
| LED Quantity                         | 12pcs (850nm)   |
| IR Distance                          | 3 meters (11 ft.)   |
| IR turn on status                    | Customized threshold adjustable   |
| LED Life                             | More than 10,000 hours (40°C)   |
| Audio                                |   |
| Audio Communication                  | Simplex or Full duplex (2-way audio) Selectable   |
| Compression                          | RTSP: G.711 64kbps, G.726 32kbps Selectable<br>3GPP: AMR  |
| Audio In/Out                         | Built-in microphone<br>External microphone and speaker  |
| Image Enhancement                    |   |
| Image Settings                       | AWB, AES<br>Exposure Mode: Auto/ Hold/Manual;<br>White Balance: Auto/ Hold;<br>Exposure Value, Sharpness, Color, Brightness, Contrast: 101 level sensitivity<br>3D Noise Reduction (De-Noise): Off/ On  |
| 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 10 customized threshold detection windows with included or excluded options, 101 detected object size or level sensitivity  |
| Smart Encoding                       | Up to 2 Configurable ROI for better picture quality and bandwidth efficiency  |
| Others                               | Snapshot, e-PTZ, Optimized i-frame setting, Video Buffer  |
| Events                               | Motion detection, External(Sensor Trigger) alarm  |
| Event Actions                        | File upload via FTP, SMTP, SAMBA(NAS) and SD Card;<br>Notification via voice alert, email, HTTP and TCP;<br>External output activation;<br>Video and audio recording to SD Card or SAMBA<br>Go Tour/ to Preset activation<br>ICR (0~86400 Seconds) activation |
| Store Category                       | Alarm / Motion / Schedule<br>Stores video clips and snapshots   |
| Local Storage                        |   |
| Memory Card Slot                     | Micro SD / Micro 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, IPv6, HTTPS, DDNS, DIPS, ARP, Bonjour, IGMP, PPPoE, 3GPP, SAMBA  |
| Ethernet                             | 10/100Mbps; 10Base-T/100Base-TX Ethernet connection for LAN / WAN, RJ-45  |
| ONVIF                                | YES   |
| Browser                              | IE Browser 6.0 or above   |
| Security                             | Two-level access with password protection;<br>IP address filtering;<br>HTTPS encrypted data transmission  |
| I/O & Controls                       |   |
| Power                                | DC Jack (2.0mm)   |
| Alarm In/Out                         | Terminal Block 1 in / 1 out   |
| Network                              | RJ-45 with network LED x2 (Green & Orange)  |
| Audio In/Out                         | 3.5mm Phone Jack 1 in / 1 out   |
| Reset                                | More than 5 sec for loading default   |
| Power                                |   |
| Power Requirement                    | DC 12V ± 10%  |
| Power Consumption (Max.)             | 6.5W  |
| Mechanical                           |   |
| Dimensions (WxDxH)                   | 86 x 81 x 97mm (3.38" x 3.19" x 3.82")  |
| Weight                               | 185g  |
| Environmental                        |   |
| Operating Temperature                | 0°C ~ 40°C (32°F ~ 104°F)   |
| Operating Humidity                   | 20~ 80% RH  |
| Storage Temperature                  | -20°C ~ 60°C (-4°F ~ 140°F)   |
| Regulatory                           |   |
| Approvals                            | CE, FCC, RoHS   |
| Order Information                    |   |
| Model No.                            | (MESSOA Brand)<br>NTSC: NDZ760-HN1-US-MES;<br>PAL: NDZ760-HP1-EU-MES<br><br>(Non-Brand)<br>NTSC: NDZ760-HN1-US;<br>PAL: NDZ760-HP1-EU   |
| Accessories                          | Wall mount/Ceiling mount kit with standard package support; 12V/1A External power adapter   |

## Dimensions

