

# BOSCH NDI-4502-AL



## DESCRIPTION

Professional IP dome camera for indoor HD surveillance with H.265, Essential Video Analytics and integrated Infrared.

Fixed dome 2MP 3-10mm auto.

The 1080p indoor dome cameras from Bosch are professional surveillance cameras that provide high quality HD images for demanding security and surveillance network requirements. These domes are true day/night cameras offering excellent performance day or night.

There is a version with a built-in active infrared illuminator that provides high performance in extreme low-light environments.

## TECHNICAL CHARACTERISTICS

Brand : BOSCH

Part number : NDI-4502-AL

### Représentation / réalisation :

Type : IP security camera

### Vidéo :

Full HD : Y

### Connectivité :

Interface : RJ-45/SMB

Certification : IEC 62471 EN 60950-1 UL 60950-1 CAN/CSA-C22.2 NO. 60950-1-03 EN 50130-4 EN 50130-5, Class II FCC Part15 Subpart B, Class B EMC 2014/30/EU EN 55032 class B EN 55024 AS/NZS CISPR 32 ICES-003 Class B VCCI J55022 V2/V3 EN 50121-4 EN 50132-5-2; IEC 62676-2-3 CE, FCC, UL, cUL, RCM, CB, VCCI, EAC

AC input voltage : 24 V

Active tampering alarm : Y

Alarm input/output : Y

Alert notification type : E-mail, Text alert message

Analog signal format system : NTSC, PAL

Angle of rotation : 330°

Audio detection : Y

Audio formats supported : LC-AAC

|                                                                                                         |
|---------------------------------------------------------------------------------------------------------|
| Audio system : 2-way                                                                                    |
| Audio system full duplex : Y                                                                            |
| Auto-tracking : Y                                                                                       |
| Back Light Compensation (BLC) : Y                                                                       |
| Behavior analysis : Line crossing detection, Object removal detection, Unattended baggage detection     |
| Built-in HDD : N                                                                                        |
| Built-in microphone : Y                                                                                 |
| Cabling technology : 10/100Base-T(X)                                                                    |
| Camera shutter speed : 1/15000 - 1/25 s                                                                 |
| Camera shutter type : Electronic                                                                        |
| Card reader integrated : Y                                                                              |
| Compatible memory cards : MicroSD (TransFlash), MicroSDHC, MicroSDXC                                    |
| Composite video out : 1                                                                                 |
| Connectivity technology : Wired                                                                         |
| Day/night mode : Y                                                                                      |
| DC output voltage : 12                                                                                  |
| Diameter : 13.5 cm                                                                                      |
| Digital watermark : Y                                                                                   |
| Ethernet interface type : Fast Ethernet                                                                 |
| Ethernet LAN : Y                                                                                        |
| Ethernet LAN (RJ-45) ports : 1                                                                          |
| Firmware upgradeable : Y                                                                                |
| Flip & mirror : Y                                                                                       |
| Focal length range : 3 - 10 mm                                                                          |
| Focus : Motorized                                                                                       |
| Form factor : Dome                                                                                      |
| Frame rate : 30 fps                                                                                     |
| Headphone outputs : 1                                                                                   |
| Height : 102 mm                                                                                         |
| Housing material : Polycarbonate (PC)                                                                   |
| Image quality adjustment : Brightness, Contrast, Saturation                                             |
| Infrared (IR) cut-off filter : Y                                                                        |
| Infra-red wavelength : 850 nm                                                                           |
| Intelligent Video Surveillance (IVS) system features : Abandoned object, Crossing line, People counting |
| LED type : IR                                                                                           |
| Lens viewing angle, horizontal : 101°                                                                   |
| Lens viewing angle, vertical : 54°                                                                      |
| Maximum aperture number : 1.3                                                                           |
| Maximum memory card size : 2000 GB                                                                      |
| Maximum resolution : 1920 x 1080 pixels                                                                 |
| Microphone in : Y                                                                                       |
| Mounting type : Ceiling/wall                                                                            |
| Networking standards : IEEE 802.1x, IEEE 802.3, IEEE 802.3af, IEEE 802.3at, IEEE 802.3u                 |
| Night vision : Y                                                                                        |
| Night vision distance : 30 m                                                                            |
| Noise reduction : Y                                                                                     |
| Number of cameras : 1                                                                                   |
| Number of effective pixels (H x V) : 1920 x 1080 pixels                                                 |
| Number of illumination LEDs : 10                                                                        |
| Number of lenses : 1                                                                                    |
| Number of sensors : 1                                                                                   |
| Operating relative humidity (H-H) : 5 - 93%                                                             |
| Operating temperature (T-T) : -20 - 50 °C                                                               |

|                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Optical sensor size : 25.4 / 2.9 mm (1 / 2.9»)                                                                                                                                                                                                                                                                                         |
| Pan range : 0 - 350°                                                                                                                                                                                                                                                                                                                   |
| Password protection : Y                                                                                                                                                                                                                                                                                                                |
| Placement supported : Indoor                                                                                                                                                                                                                                                                                                           |
| Power consumption (max) : 9 W                                                                                                                                                                                                                                                                                                          |
| Power consumption (Power over Ethernet (PoE)) : 8.5 W                                                                                                                                                                                                                                                                                  |
| Power source type : AC, DC, PoE                                                                                                                                                                                                                                                                                                        |
| Privacy masking : Y                                                                                                                                                                                                                                                                                                                    |
| Product colour : White                                                                                                                                                                                                                                                                                                                 |
| Progressive scan : Y                                                                                                                                                                                                                                                                                                                   |
| Protection features : Scratch resistant                                                                                                                                                                                                                                                                                                |
| Quality of Service (QoS) support : Y                                                                                                                                                                                                                                                                                                   |
| Remotely operated : Y                                                                                                                                                                                                                                                                                                                  |
| Security algorithms : 128-bit AES, 256-bit AES, 802.1x RADIUS, HTTPS, SSH, SSL/TLS                                                                                                                                                                                                                                                     |
| Sensor type : CMOS                                                                                                                                                                                                                                                                                                                     |
| Signal-to-Noise Ratio (SNR) : 50 dB                                                                                                                                                                                                                                                                                                    |
| Storage temperature (T-T) : -30 - 70 °C                                                                                                                                                                                                                                                                                                |
| Supported graphics resolutions : 320 x 240, 640 x 480 (VGA), 1280 x 1024 (SXGA), 1280 x 720 (HD 720), 1920 x 1080 (HD 1080)                                                                                                                                                                                                            |
| Supported network protocols : IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/ RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, V3, MIB-II), 802.1x, DNS, DNSv6, DDNS (DynDNS.org, selfHOST.de, no-ip.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox, CHAP |
| Tilt angle range : 0 - 130°                                                                                                                                                                                                                                                                                                            |
| Total megapixels : 2 MP                                                                                                                                                                                                                                                                                                                |
| Video compression formats : H.264, H.265, M-JPEG                                                                                                                                                                                                                                                                                       |