

## NDP-7804-Z12L PTZ 8MP 12x IP66 pendant IR

### AUTODOME 7100i IR



- ▶ UHD "4K" resolution (3840 x 2160 pixels) @ 30fps, 12x zoom with Optical Image Stabilization (OIS)
- ▶ IR illumination with detection distance of 200 m (656 ft)
- ▶ IVA Pro brings highly reliable deep-learning based detection of persons and vehicles to scenes ranging from sterile zones to crowded and congested
- ▶ Built-in artificial intelligence alerts operators of unusual scene activity
- ▶ Fully configurable quad streaming
- ▶ Optional direct fiber connection for increased communications security

This high performance PTZ camera has starlight imaging technology for excellent lowlight sensitivity and fully configurable quad video streaming.

A powerful, embedded processor with dedicated hardware supports advanced machine learning and neural-network-based Intelligent Video Analytics. Built-in, application-specific Intelligent Video Analytics (IVA) Pro packages such as IVA Pro Buildings, IVA Pro Perimeter, and IVA Pro Privacy provide superior intelligence at the edge.

The design gives undistorted, high-resolution video above the horizon, which is helpful in city landscapes that are not flat.

#### Regulatory information

Electromagnetic compatibility (EMC)

FCC Part 15, ICES-003  
EN 55032 (Class A)  
EN 50130-4  
EN 50121-4 (Railway applications)  
CISPR 32 (Class A)

Product Safety

Complies with UL, CE, CSA, EN, and IEC standards including:  
UL 62368-1  
EN 62368-1  
CAN/CSA-C22.2 No. 62368-1-19

|                       |                                                    |
|-----------------------|----------------------------------------------------|
|                       | IEC 62368-1 Ed.3<br>IEC 60950-22 Ed.2<br>IEC 62471 |
| ONVIF conformance     | EN 50132-5-2<br>EN 62676-2                         |
| Impact protection     | EN 62262 (IK10)                                    |
| Water/dust protection | EN 60529 (IP66)<br>UL50E (Type 4X)                 |
| Cybersecurity         | FIPS 140-3                                         |
| Marks                 | UL, CE, WEEE, VCCI, FCC, RoHS                      |
| Compliance            | NDAA and TAA compliant                             |

For a full list of all related certifications/standards, refer to the Product Test Reports, available on the online catalog, on the Documents tab of the product page for your device. If the document is unavailable on the product page, contact your sales representative.

| Region | Regulatory compliance/quality marks |                                      |
|--------|-------------------------------------|--------------------------------------|
| Global | IEC 62443-4-1                       | Industrial Cyber Security Capability |

Installation/configuration notes

For more options, see [Camera Accessories - Quick Selection Guide](#).

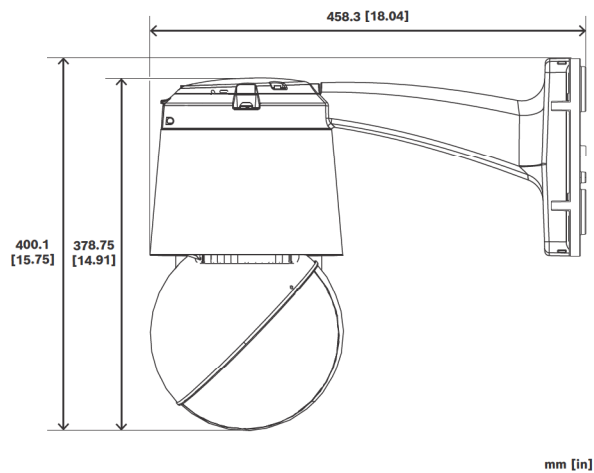


Fig. 1: Dimensions in mm (in.) of camera on NDA-7100-PEN | -F + NDA-PEND-WPLATE

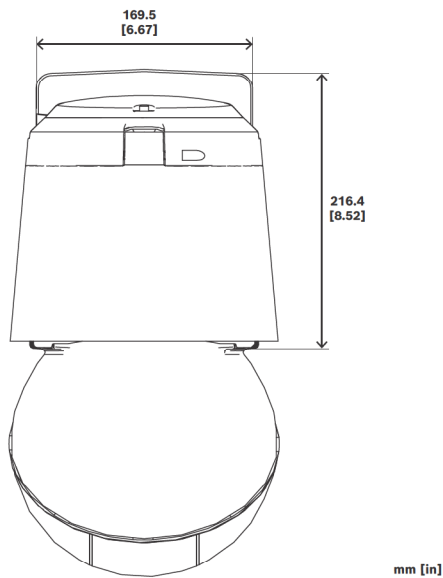


Fig. 2: Dimensions in mm (in.) of the camera on NDA-7100-PEN | NDA-7100-PENF (front view)

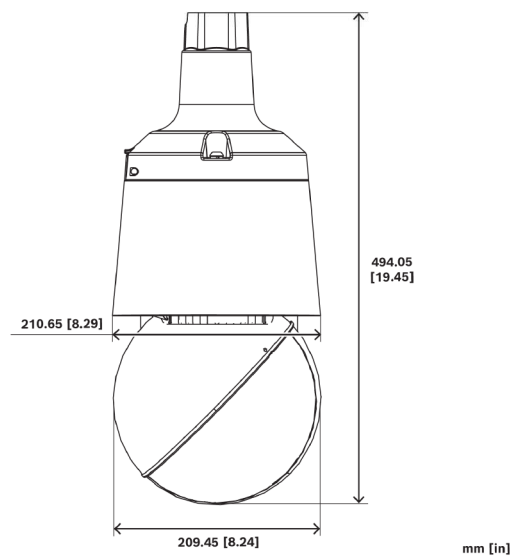


Fig. 3: Dimensions in mm (in.) of camera installed on NDA-7100-PIPE | NDA-7100-PIPEF (pipe mount)

Parts included

| Quantity | Component                |
|----------|--------------------------|
| 1        | AUTODOME 7100i IR camera |
| 1        | Quick Installation Guide |
| 1        | Safety instructions      |
| 4        | MAC address labels       |

Technical specifications

Sensor

|                          |               |
|--------------------------|---------------|
| Sensor type              | 1 inch CMOS   |
| Total sensor pixels      | 8 MP approx.  |
| Effective pixels (H x V) | 5,544 x 3,694 |

Sensitivity

|                               |                             |
|-------------------------------|-----------------------------|
| Low light technology          | starlight                   |
| Measuring method              | IEC 62676 Part (1/30, F1.6) |
| Color (lx)                    | 0.2998 lx                   |
| Monochrome (lx)               | 0.1430 lx                   |
| With IR                       | 0.0 lx                      |
| WDR technology                | HDR                         |
| High Dynamic Range (HDR) (dB) | 62 dB                       |

**Optical**

|                              |                   |
|------------------------------|-------------------|
| Lens zoom (x)                | 12x               |
| Digital zoom (x)             | 12x               |
| Lens focal length (mm)       | 9.3 mm – 111.6 mm |
| Lens aperture (/F)           | F/2.8 - F/4.5     |
| Horizontal field of view (°) | 64.60° – 6.10°    |

**Night vision**

|                                    |                                                                      |
|------------------------------------|----------------------------------------------------------------------|
| Wavelength (nm)                    | 850 nm                                                               |
| IR horizontal beam angle (° FWHM)  | Narrow: 9.4 deg FWHM<br>Medium: 25.7 deg FWHM<br>Wide: 66.9 deg FWHM |
| IR intensity                       | Manually adjustable; Automatic                                       |
| Maximum detection distance IR (m)  | 200 m                                                                |
| Maximum detection distance IR (ft) | 656 ft                                                               |

Note: To protect the hardware, the illuminators, by design, will not operate if the operating temperature exceeds +55 °C (+131 °F)

**PTZ functions**

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| Pan range (°)                       | 0° – 360° continuous                   |
| Tilt range (°)                      | -90° – 20° (Auto-flip 220°)            |
| Pan speed (°/s)                     | 0.01°/s – 400°/s                       |
| Tilt speed (°/s)                    | 0.01°/s – 300°/s                       |
| Intelligent tracking speed (°/s)    | 0.01°/s – 400°/s                       |
| Number of pre-positions             | 256, each with 40 characters per title |
| Pre-position accuracy (average) (°) | ± 0.10° typ.                           |
| Alarm triggering                    | Audio detection; Motion detection      |
| Other functions                     | Snap to zoom                           |

**Platform**

|                         |                            |
|-------------------------|----------------------------|
| Common Product Platform | CPP16                      |
| Memory (RAM) (MB)       | 4096 MB RAM, 8192 MB Flash |

**Video streaming**

|                  |                |
|------------------|----------------|
| Frame rate (fps) | 1 fps – 30 fps |
|------------------|----------------|

|                   |                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Resolution        | 3840 x 2160; 1920 x 1080; 1280 x 720; 704 x 480; 768 x 432; 512 x 288; 704 x 576; 1536 x 864; 720 x 480; 2560 x 1440; 720 x 576 |
| Streaming         | Multiple configurable streams in H.265; Configurable framerate and bandwidth; Bosch Intelligent Streaming                       |
| Video compression | H.264 (ISO/IEC 14496-10); M-JPEG; H.265/HEVC                                                                                    |
| GOP structure     | IP                                                                                                                              |

**Video functions**

|                                              |                                                                                                                                                                                                                                             |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Distance detection (1x zoom) (m)             | 121 m                                                                                                                                                                                                                                       |
| Distance detection (1x zoom) (ft)            | 397 ft                                                                                                                                                                                                                                      |
| Distance detection at 25 p/m(max zoom) (m)   | 1441 m                                                                                                                                                                                                                                      |
| Distance detection at 25 p/m (max zoom) (ft) | 4728 ft                                                                                                                                                                                                                                     |
| Distance of recognition (1x zoom) (m)        | 24 m                                                                                                                                                                                                                                        |
| Distance of recognition (1x zoom) (ft)       | 79 ft                                                                                                                                                                                                                                       |
| Distance of recognition (max zoom) (m)       | 288 m                                                                                                                                                                                                                                       |
| Distance of recognition (max zoom) (ft)      | 945 ft                                                                                                                                                                                                                                      |
| Distance of identification (1x zoom) (m)     | 12 m                                                                                                                                                                                                                                        |
| Distance of identification (1x zoom) (ft)    | 39 ft                                                                                                                                                                                                                                       |
| Distance of identification (max zoom) (m)    | 144 m                                                                                                                                                                                                                                       |
| Distance of identification (max zoom) (ft)   | 472 ft                                                                                                                                                                                                                                      |
| Image stabilization                          | Optical                                                                                                                                                                                                                                     |
| Day/night modes                              | Auto; Color; Monochrome                                                                                                                                                                                                                     |
| Gain control                                 | AGC; Fixed; Region per pre-position                                                                                                                                                                                                         |
| Camera functionality                         | Geolocation; Audio detection; Backlight compensation (BLC); Intelligent auto exposure; Contrast enhancement; Sharpness enhancement; Intelligent defog; Pixel counter; Tamper detection; Saturation; Brightness; Display stamping; Color hue |
| Backlight compensation                       | On/Off; Intelligent Auto Exposure (IAE)                                                                                                                                                                                                     |
| White balance (K)                            | 2000 K - 10000 K                                                                                                                                                                                                                            |
| White balance modes                          | Manual mode; Indoor; Outdoor; AWB hold; Extended ATW; ATW                                                                                                                                                                                   |

|                          |                                                                                                                                                                                                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of privacy masks  | 32                                                                                                                                                                                                                                                                  |
| Privacy masks pattern    | Black; White; Gray; Auto color; Mosaic; 16M color; 10 blurred levels                                                                                                                                                                                                |
| Shutter modes            | Automatic Electronic Shutter (AES); 1/1 min; 1/30,000 max                                                                                                                                                                                                           |
| Scene modes              | Standard; Vibrant; Fast movement; Sensitivity boost; Color only; Illuminator; Custom modes #1, #2                                                                                                                                                                   |
| (Guard) Tours            | Custom Recorded tours: two (2), maximum total duration 15 minutes (depending on the amount of commands sent during recording); Pre-position tour - one (1), consisting of up to 256 scenes consecutively, and one (1) customized with up to 256 user-defined scenes |
| Number of sectors        | 4, 6, 8, 9, 12, or 16 user-selectable, independent Sectors, each with 40 characters per Title                                                                                                                                                                       |
| Virtual masks            | 24 individually configurable Virtual Masks to hide parts of the scene (background motion such as moving trees, pulsating lights, busy roads, etc.)                                                                                                                  |
| Alarm control            | Rules-based logic supports basic and complex predefined user-specified commands<br><br>In its most basic form, a "rule" could define which input(s) should activate which output(s).                                                                                |
| Camera status monitoring | Integrated sensors monitor operational status such as internal temperature, humidity level, incoming voltage level, vibration, and shock events.                                                                                                                    |
| Diagnostics              | Various status conditions are tracked in the internal diagnostic log. Critical fault conditions will also be displayed on screen.                                                                                                                                   |
| Alarms activations       | Video loss; System alarm                                                                                                                                                                                                                                            |

#### Video content analysis

|                               |                                                                                                                                         |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Analysis type                 | Camera trainer; Intelligent Video Analytics Pro: IVA Pro Buildings; Intelligent Video Analytics Pro: IVA Pro Perimeter; IVA Pro Privacy |
| Supported analytics (license) | Separate licenses are available for IVA Pro Traffic; IVA Pro Intelligent Tracking; IVA Pro Appearance                                   |
| Configurations                | Off; Global VCA, Profiles 1 - 32                                                                                                        |
| Alarm triggers                | Any object; Object in field; Line crossing; Enter / leave field; Loitering; Follow route; Idle / removed object; Counting; Occupancy;   |

|                            |                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | Condition change; Similarity search; Tampering; Rule based alarms and tracking; Audio detection                                                                                |
| Object filters             | Duration; Size; Aspect ratio; Speed; Direction; Color                                                                                                                          |
| Object classes             | Upright persons; Bikes; Cars; Trucks                                                                                                                                           |
| Additional functionalities | Intelligent tracking; Detect moving objects during PTZ; Tamper detection                                                                                                       |
| Geolocation                | Tracking of object locations                                                                                                                                                   |
| Tracking modes             | Base tracking (2D); Perimeter tracking (2D); Perimeter tracking (3D); People tracking (3D); Museum mode (2D); Ship tracking (2D); Traffic tracking (2D); Traffic tracking (3D) |

#### Storage

|                      |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| Internal storage     | Memory card SD                                                                        |
| Memory card slot     |                                                                                       |
| Memory card capacity | Up to 2TB                                                                             |
| Industrial SD cards  | Extreme lifetime and health monitoring support that provides early service indication |
| Recording mode       | Manual; Scheduled; Pre-alarm; Alarm                                                   |

Note: For this camera, Bosch does not recommend the use of microSD to SD adapters.

#### Inputs and outputs

|                       |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Alarm inputs          | 2                                                                                                                       |
| Alarm outputs (relay) | One (1) dry contact relay, 27 VAC, 1 A, rms   30 VDC, 2 A, rms;<br>Three (3) output lines (selectable N.O./N.C./Common) |
| Ethernet              | Shielded RJ45                                                                                                           |

#### Audio

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Audio input                   | Line-in                                                                  |
| Audio output                  | Line-out                                                                 |
| Audio streaming               | Full duplex                                                              |
| Compression and sampling rate | G.711 8 kHz; L16 16 kHz; AAC-LC 80kbps 16 kHz; AAC; AAC-LC 48kbps 16 kHz |

#### Network

|                       |                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols / standards | IPv4; IPv6; UDP; TCP; HTTP; HTTPS; RTP/RTCP; IGMP V2/V3; ICMP; ICMPv6; RTSP; FTP; ARP; DHCP; SNMP (V3, MIBII); DNS; DNSv6; DDNS (DynDNS.org, selfHOST.de, |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

|                   |                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------|
|                   | no-ip.com); SMTP; iSCSI; UPnP (SSDP); Diff-Serv (QoS); SOAP; CHAP; Digest authentication; HSTS; RTSPS; MQTT; SRTP |
| Ethernet type     | Auto-sensing; 100BASE-TX; 1000BASE-T; Full duplex                                                                 |
| Conformity        | ONVIF Profile S; ONVIF Profile G; ONVIF Profile T; ONVIF Profile M                                                |
| Cloud services    | Stratocast Genetec; Remote Portal                                                                                 |
| Integration tools | Video SDK; RCP+ SDK                                                                                               |
| Overall IP delay  | 30 fps: <200 ms (typical);<br>60 fps: <150 ms (typical)                                                           |

### Support for optional Fiber SFP modules

Note: Refer to the camera installation manual for details.

|               |                                                                                                                                                                                                                                                                     |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Third-party SFP fiber modules are supported when used with the optional mounts NDA-7100-PENF   NDA-7100-PIPEF.                                                                                                                                                      |
| Data rate     | Must use 1 Gbps SFP modules.                                                                                                                                                                                                                                        |
| Compatibility | The SFP modules used on the end-to-end system (AUTODOME camera/media converter) must be compatible, if not the same exact brand and part number.<br><br>The fiber used must be compatible with the SFP modules in mode (single-mode or multi-mode) and wavelengths. |

### Data security

|                          |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Crypto coprocessor (TPM) | RSA 3072 bit for TLS; RSA 4096 bit for device identity; AES/CBC 256 bit |
| Encryption               | TLS 1.2; AES 256; AES 128; TLS 1.3                                      |
| End-to-end encryption    | Full end-to-end with supported VMS                                      |
| Local storage encryption | XTS-AES                                                                 |
| Security                 | HTTPS                                                                   |
| Video authentication     | Off; Watermark; MD5; SHA-1; SHA-256                                     |
| PKI                      | X.509 certificates                                                      |
| Firmware protection      | Signed firmware; Secure boot; Software Sealing                          |

### Electrical

|                           |                                    |
|---------------------------|------------------------------------|
| Input voltage (VAC)       | 24 VAC                             |
| Input voltage (VDC)       | 36 VDC                             |
| PoE nominal voltage (VDC) | 54 VDC                             |
| PoE input                 | PoE++ IEEE 802.3bt Type 4, Class 8 |

|                                                 |        |
|-------------------------------------------------|--------|
| Power consumption PoE (W) (typical – maximum)   | 64.8 W |
| Power consumption VAC (VA) (typical – maximum)  | 3.5 VA |
| Power consumption VAC (W) (typical – maximum)   | 53 W   |
| Power consumption VDC (W) (typical – maximum)   | 66.6 W |
| Current consumption VAC (A) (typical – maximum) | 3.5A   |
| Current consumption VDC (A) (typical – maximum) | 1.2A   |
| Current consumption PoE (A) (typical – maximum) | 1.85A  |

### Environmental

|                                                          |                                                       |
|----------------------------------------------------------|-------------------------------------------------------|
| IP rating                                                | IP66                                                  |
| Degree of protection                                     | UL type 4X                                            |
| Operating temperature (°C)                               | -40 °C – 50 °C                                        |
| Operating temperature (°F)                               | -40 °F – 122 °F                                       |
| NEMA TS2 Section 2.2.7 temperature (°C)                  | Compliant to -34 °C to +74 °C.                        |
| NEMA TS2 Section 2.2.7 temperature (°F)                  | Compliant to -29 °F to +165 °F.                       |
| Operating relative humidity, condensing (%)              | 0% – 95%                                              |
| Operating relative humidity, non-condensing (%)          | 0% – 95%                                              |
| Storage temperature (°C)                                 | -40 °C – 70 °C                                        |
| Storage temperature (°F)                                 | -40 °F – 158 °F                                       |
| Storage relative humidity (%)                            | 0% – 95%                                              |
| Cold start temperature (°C)                              | -35 °C                                                |
| Cold start temperature (°F)                              | -31 °F                                                |
| Wind load (km/h)                                         | Camera will hold its position in gusts up to 274 km/h |
| Wind load (mph)                                          | Camera will hold its position in gusts up to 170 mph  |
| Effective projected area (EPA) (camera with pendant arm) | 0.17 m² (0.57 ft²)                                    |
| Effective projected area (EPA) (camera with pipe mount)  | 0.31 m² (1.01 ft²)                                    |
| Vibration                                                | IEC 60068-2-6; NEMA TS2 Section 2.2.8                 |
| Shock                                                    | IEC 60068-2-27; NEMA TS2 Section 2.2.9                |

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| Power service                    | NEMA TS2 Section 2.2.7.2                                                                                |
| Power interruption               | NEMA TS2 Section 2.2.10                                                                                 |
| Salt mist spray (corrosion test) | EN 50130-5: IEC 60068-2-42, Sulfur Dioxide, 21 days; IEC 60068-2-52, Salt Mist, Test Method 1, 4 cycles |
| External mechanical impact       | IEC 62262: IK10                                                                                         |
| Sustainability                   | PVC Free                                                                                                |

### Construction

|                         |                       |
|-------------------------|-----------------------|
| Dimensions (Ø x H) (mm) | 210.65 mm x 324 mm    |
| Dimensions (Ø x H) (in) | 8.3 in x 12.8 in      |
| Weight (kg)             | 5.80 kg               |
| Weight (lb)             | 12.80 lb              |
| Color (RAL)             | RAL 9003 Signal white |
| Material                | Aluminum              |
| Bubble material         | Clear polycarbonate   |
| Bubble size (mm)        | Ø 209.60 mm           |
| Bubble size (in)        | Ø 8.25 in             |
| Country of origin       | Portugal              |

### Ordering information

**NDP-7804-Z12L PTZ 8MP 12x IP66 pendant IR**  
PTZ dome camera, 8MP, 12x optical zoom, integrated IR, low-light imaging  
NDAA compliant  
Order number **NDP-7804-Z12L**

### Accessories

**NPD-9001-E Midspan, bt, 90W, IP67**  
Outdoor midspan with Power-over-Ethernet for use with PoE-enabled cameras; 90 W, single-port  
Order number **NPD-9001-E**

**NPD-9001-EBT Midspan bt 90W IP67 TAA**  
Outdoor midspan with Power-over-Ethernet for use with PoE-enabled cameras; 90 W, single-port  
TAA compliant  
Order number **NPD-9001-EBT**

**NPD-9501A-G Midspan, 95W, single port, AC in, TAA**  
95 W indoor PoE midspan for AUTODOME and MIC cameras  
TAA compliant  
Order number **NPD-9501A-G**

**NDA-7100-PA0H Wall arm & PSU for AD7100i 24VAC**  
Wall arm + Power supply unit for AUTODOME 7100i cameras, IK10 rating  
24 VAC  
Order number **NDA-7100-PA0H**

**NDA-7100-PA0HF Wall arm & PSU for AD7100i fiber 24VAC**  
Wall arm + Power supply unit for AUTODOME 7100i cameras, IK10 rating  
24 VAC  
Direct fiber connection  
Order number **NDA-7100-PA0HF**

**NDA-7100-PA1H Wall arm & PSU for AD7100i 120VAC**  
Wall arm + Power supply unit for AUTODOME 7100i cameras, IK10 rating  
120 VAC  
Order number **NDA-7100-PA1H**

**NDA-7100-PA1HF Wall arm & PSU for AD7100i fiber 120VAC**  
Wall arm + Power supply unit for AUTODOME 7100i cameras, IK10 rating  
120 VAC  
Direct fiber connection  
Order number **NDA-7100-PA1HF**

**NDA-7100-PA2H Wall arm & PSU for AD7100i 230VAC**  
Wall arm + Power supply unit for AUTODOME 7100i cameras, IK10 rating  
230 VAC  
Order number **NDA-7100-PA2H**

**NDA-7100-PA2HF Wall arm & PSU for AD7100i fiber 230VAC**  
Wall arm + Power supply unit for AUTODOME 7100i cameras, IK10 rating  
230 VAC  
Direct fiber connection  
Order number **NDA-7100-PA2HF**

**NDA-U-PSU0H PSU, IR, 24VAC**  
Power supply unit without transformer, 24 VAC, IK10, for AUTODOME 7100i IR cameras  
Order number **NDA-U-PSU0H**

**NDA-U-PSU1H PSU, IR, 120VAC**  
Stand-alone power supply unit without transformer, 120 VAC, IK10, for AUTODOME 7100i IR cameras  
Order number **NDA-U-PSU1H**

**NDA-U-PSU2H PSU, IR, 230VAC**  
Power supply unit without transformer, 230 VAC, IK10, for AUTODOME 7100i IR cameras  
Order number **NDA-U-PSU2H**

**NDA-7100-PEN Pendant arm for AUTODOME 7100i**  
Pendant arm mount for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-7100-PEN**

**NDA-7100-PENF Pendant arm fiber AUTODOME 7100i**  
Pendant arm with direct fiber connection for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-7100-PENF**

**NDA-7100-PIPE Pipe mount for AUTODOME 7100i**  
Pipe mount for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-7100-PIPE**

**NDA-7100-PIPEF Pipe mount fiber for AUTODOME 7100i**  
Pipe mount with direct fiber connection for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-7100-PIPEF**

**NDA-PEND-WPLATE Mounting plate for NDA-7100-PEN/PENF**  
Mounting plate for NDA-7100-PEN and NDA-7100-PENF for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-PEND-WPLATE**

**NDA-U-WMP Wall mount plate**  
Back plate for universal wall mount, corner mount and pole mount, white, IP66  
Order number **NDA-U-WMP**

**NDA-U-CMT Corner mount adapter**  
Universal corner mount, white  
Order number **NDA-U-CMT**

**NDA-U-PMT Pendant pipe mount, 12" (31cm)**  
Universal pipe mount for dome cameras, 31 cm, white  
Order number **NDA-U-PMT**

**NDA-U-PMAL Pole mount adapter large**  
Universal pole mount adapter, white; large  
Order number **NDA-U-PMAL**

**NDA-U-RMT Pendant parapet mount**  
Universal roof mount for dome cameras, white, for outdoor usage  
Order number **NDA-U-RMT**

**LTC 9230/01 Parapet roof mount adapter**  
Flat roof mount adapter for mounting NDA-U-RMT on a flat surface.  
Order number **LTC 9230/01**

**NDA-7100-CBL Spare bubble for AUTODOME 7100i IR**  
Replacement bubble for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-7100-CBL**

**NDA-7100-TBL Bubble, tinted for AUTODOME 7100i**  
Tinted replacement bubble for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-7100-TBL**

**NDA-7100-HCBL Bubble, clear hydrophilic AUTODOME 7100i**

Clear, hydrophilic replacement bubble for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-7100-HCBL**

**SD-064G IP SECURITY SD CARD 64GB**  
64 GB industrial SD card with health status monitoring  
Order number **SD-064G**

**SD-128G IP SECURITY SD CARD 128GB**  
128 GB industrial SD card with health status monitoring  
Order number **SD-128G**

**SD-256G IP SECURITY SD CARD 256GB**  
256 GB industrial SD card with health status monitoring  
Order number **SD-256G**

**NDA-7100-WP Weather protector for AUTODOME 7100i**  
On-camera weather protector for AUTODOME 7100i and AUTODOME 7100i IR cameras  
Order number **NDA-7100-WP**

## Software Options

**MVC-IVA-TRA IVA Pro Traffic**  
Video analytics software based on deep neural network technology for traffic monitoring and Automatic Incident Detection.  
Order number **MVC-IVA-TRA**

**MVC-IVA-IT IVA Pro Intelligent Tracking**  
AI-based Intelligent Tracking and video analytics while the camera is moving for applications in crowds and traffic scenes.  
Order number **MVC-IVA-IT**

**MVC-IVA-APC IVA Pro Appearance**  
Video analytics software based on deep neural network technology for detailed person appearance attributes allowing advanced forensic search.  
Order number **MVC-IVA-APC**



<https://www.boschsecurity.com>