The AUTODOME IP 4000i is a compact, indoor PTZ dome camera with a high-resolution 1080p60 HD sensor and a 12x optical zoom that allows operators to monitor wide scenes without losing any details. The camera’s aesthetic design and flexible mounting options allow unobtrusive surveillance of large halls, reception areas, or waiting areas that would otherwise require multiple cameras for effective surveillance.

### Functions

**Superior imaging performance**

Built on the digital imaging technology from Bosch, the camera is carefully tuned to maintain accurate color reproduction and to deliver high-resolution HD video with flexibility to zoom in to small details of objects.

**Pre-programmed user modes**

The camera comes with 3 pre-tuned scene modes to match various lighting conditions found in indoor scenes. Users can complete the configuration without going through multiple imaging settings.

- **Standard:** For indoor fluorescent lighting.
- **Sodium-lighting:** For scenarios where the video is captured under sunlight in the day or under sodium vapor lamp at night.
- **Vibrant:** For enhanced contrast, sharpness, and saturation

**H.265 high-efficiency video encoding**

The camera is designed on the most efficient and powerful H.264 and H.265/HEVC encoding platform. The camera is capable to deliver high-quality and high-resolution video with very low network load. With a doubling of encoding efficiency, H.265 is the new compression standard of choice for IP video surveillance systems.

**Intelligent streaming**

Smart encoding capabilities, together with Intelligent Dynamic Noise Reduction technology and analytics, make the bandwidth consumption drop to extremely low levels. Only relevant information in the scene, like motion, or objects found with the analytics, need to be encoded.

The camera is capable of quad streaming which allows the camera to deliver independent, configurable streams for live viewing, recording, or remote monitoring via constrained bandwidths.

**Recording and storage management**

Recording management can be controlled by the Bosch Video Recording Manager application, or the camera can use local storage and iSCSI targets directly without any recording software.
A memory card (SD, SDHC, or SDXC) up to 2 TB can be used for recording “at the edge” or for Automatic Network Replenishment (ANR) technology to improve the overall recording reliability.

Pre-alarm recording in RAM reduces bandwidth consumption on the network and extends the effective life of the memory card.

Essential Video Analytics on the edge
The Essential Video Analytics application provides reliable video analytics for small and medium business, large retail stores, commercial buildings, and warehouses.

Advanced tasks like multiple line crossing, loitering, idle / removed object detection, crowd density estimation, occupancy and people counting are available for live alarming and forensic search. Object filters based on size, speed, direction, aspect ratio, and color can be defined.

A simplified calibration mode reduces installation time significantly, because you only need to enter the installation height once for each camera, independent of pre-positions.

After the camera is calibrated, the analytics engine can automatically classify objects as upright person, car, bike, or truck.

Data security
Special measures are necessary to ensure the highest level of security for device access and data transport. On initial setup, the camera is only accessible over secure channels and enforces a password.

Web browser and viewing client access can be protected using HTTPS or other secure protocols that support state-of-the-art TLS 1.2 protocol with updated cipher suites including AES encryption with 256 bit keys. No software can be installed in the camera, and only authenticated firmware can be uploaded. A three-level password protection with security recommendations allows users to customize device access. Network and device access can be protected using 802.1x network authentication with EAP/TLS protocol. Superior protection from malicious attacks is guaranteed by the Embedded Login Firewall, on-board Trusted Platform Module (TPM) and Public Key Infrastructure (PKI) support.

The advanced certificate handling offers:
- Self-signed unique certificates automatically created when required
- Client and server certificates for authentication
- Client certificates for proof of authenticity
- Certificates with encrypted private keys

System integration and ONVIF conformance
The camera conforms to the Open Network Video Interface Forum (ONVIF) Profile S and Profile G specifications. For H.265 configuration the camera also supports Media Service 2 which is part of the future ONVIF Profile T. Compliance with these standards guarantees interoperability between network video products regardless of manufacturer.

Third-party integrators can easily access the internal feature set of the camera for integration into large projects. Visit the Bosch Integration Partner Program (IPP) website (ipp.boschsecurity.com) for more information.

Superior privacy masking
The camera allows for a total of 24 individual privacy masks, with up to eight displayed in the same scene. These can be programmed with five corners each. Each mask changes size and shape smoothly and quickly, ensuring that the covered object cannot be seen.

PTZ drive and mechanism
The camera supports 256 pre-positions and two styles of Guard Tours: Pre-position and Record/Playback. The Pre-position tour has capability for up to 256 pre-positions with a configurable dwell time between pre-positions and can be customized as to the order and the frequency that each Pre-position is visited.

The camera also provides support for two (2) recorded tours, which have a total duration of 15 minutes of movements. These are recorded macros of an operator’s movements, including pan, tilt, and zoom activities, and can be played back in a continuous manner.

Pan and tilt preset repeatability are accurate to within ±0.1 degrees to ensure that the correct scene is captured every time. The camera delivers maximum pan speed of 160 degrees per second and maximum tilt speed of 120 degrees per second. The camera is capable of manual speeds (pan and tilt) of 0.1 to 120 degrees per second. The camera provides a pan range of up to 360 degrees continuous rotation.

Sophisticated alarm responses
The camera supports advanced alarm control that uses sophisticated rules-based logic to determine how to manage alarms. In its most basic form, a “rule” could define which input(s) should activate which output(s). In a more complex form, inputs and outputs can be combined with pre-defined or user-specified commands to perform advanced camera functions.

Ease of installation and servicing
The camera has been designed for quick and easy installation, a key feature from Bosch IP video security products. Bosch designed the camera with the knowledge that field cables and mounts are installed before the camera is mounted. The installation concept allows a single person to connect the cables directly to the camera without re-routing cables. The camera is easily secured to the mount with a single screw. The three-step installation process can save up to 5 minutes per camera installation compared to any conventional PTZ dome.

The camera models are available with a choice of in-ceiling or surface mount.

In-ceiling models are ideal for suspended ceilings, flush-in for an aesthetic look.
Surface-mount models are designed for easy installation on hard ceilings or can be pendant-mounted on a wall or a pipe with the proper mounting hardware (sold separately).

**DORI coverage**
DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a camera to distinguish persons or objects within a covered area. The maximum distance at which a camera/lens combination can meet these criteria is shown below:

<table>
<thead>
<tr>
<th>DORI definition</th>
<th>Distance WIDE 1X</th>
<th>TELE 12X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detect</td>
<td>25 px/m (8 px/ft)</td>
<td>69 m (226 ft)</td>
</tr>
<tr>
<td>Observe</td>
<td>63 px/m (19 px/ft)</td>
<td>27 m (89 ft)</td>
</tr>
<tr>
<td>Recognize</td>
<td>125 px/m (38 px/ft)</td>
<td>14 m (46 ft)</td>
</tr>
<tr>
<td>Identify</td>
<td>250 px/m (76 px/ft)</td>
<td>7 m (23 ft)</td>
</tr>
</tbody>
</table>

**Certifications and approvals**

**HD standards**
- Complies with the SMPTE 274M-2008 Standard in:
  - Resolution: 1920x1080
  - Scan: Progressive
  - Color representation: complies with ITU-R BT.709
  - Aspect ratio: 16:9
  - Frame rate: 25 and 30 frames/s
- Complies with the 296M-2001 Standard in:
  - Resolution: 1280x720
  - Scan: Progressive
  - Color representation: complies with ITU-R BT.709
  - Aspect ratio: 16:9
  - Frame rate: 25 and 30 frames/s

**Marking**

<table>
<thead>
<tr>
<th>Marking</th>
<th>Applicable Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>cULus</td>
<td>UL60950-1 (ed 2) (Includes CSA 22.2 No. 60950-1)</td>
</tr>
<tr>
<td>FCC Part 15 (USA)</td>
<td>47CFR Part 15, ICES-003 (Canada)</td>
</tr>
<tr>
<td>CE (Europe)</td>
<td>Electromagnetic Compatibility (EMC) Directive</td>
</tr>
<tr>
<td></td>
<td>• EN 55032: 2012/AC:2013</td>
</tr>
<tr>
<td></td>
<td>• EN 61000-3-2:2014</td>
</tr>
<tr>
<td></td>
<td>• EN 61000-3-3:2013</td>
</tr>
<tr>
<td></td>
<td>Product Safety: Low Voltage Directive (IEC66 CB scheme certificate and report are required)</td>
</tr>
</tbody>
</table>

**Region**

<table>
<thead>
<tr>
<th>Regulatory compliance/quality marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
</tr>
<tr>
<td>USA</td>
</tr>
</tbody>
</table>

**Installation/configuration notes**

**Wall mount**
- NDA-U-PSMB*
- NDA-U-WMT
- NDA-4020-PIP
- NDP-4502-Z12

**Wall mount with surveillance cabinet**
- NDA-U-PAx

**Pendant pipe mount**
- NDA-U-PSMB*
- NDA-U-PMT**
- NDA-4020-PIP
- NDP-4502-Z12

* optional

**Pole mount**
- NDA-U-PMAL
- NDA-U-PAx
- NDA-U-WMT
- NDA-4020-PIP
- NDP-4502-Z12

**Corner mount**
- NDA-U-CMT
- NDA-U-PAx
- NDA-U-WMT
- NDA-4020-PIP
- NDP-4502-Z12

* optional

**NDL-U-PMTE**: optional 50cm / 20" extension pipe
**Surface mount**

- NEZ-A4_SMB
- NDP-4502-Z12

**In-ceiling mount**

- VGA-IC-SP*
- NDA-4020-PLEN*
- NDP-4502-Z12C

* optional

For more options, see Quick Selection Guide: Modular camera mounts & accessories.

### Technical specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Imager</strong></td>
<td>1/2.8&quot; progressive scan CMOS</td>
</tr>
<tr>
<td><strong>Effective Picture Elements</strong></td>
<td>1945 x 1097 (2.13 MP)</td>
</tr>
<tr>
<td><strong>Lens Focal Length</strong></td>
<td>12x Zoom 5.3 mm to 64 mm (F1.6 to F2.8)</td>
</tr>
<tr>
<td><strong>Field of View (FOV)</strong></td>
<td>4.9° to 58.5°</td>
</tr>
<tr>
<td><strong>Focus</strong></td>
<td>Automatic with manual override</td>
</tr>
<tr>
<td><strong>Iris</strong></td>
<td>Automatic</td>
</tr>
<tr>
<td><strong>Digital zoom</strong></td>
<td>16x</td>
</tr>
</tbody>
</table>

### Video performance - Sensitivity

- (3100K, reflectivity 89%, 1/30, F1.6, 30 IRE)
- **Color**: 0.05 lx
- **Mono**: 0.01 lx
- **High dynamic range**: 94 dB (measured according to IEC 62676 Part 5)
- **Electronic Shutter Speed (AES)**: 1/30 s to 1/15000 s (12 steps)
- **Signal-to-noise Ratio (SNR)**: >55 dB (AGC off)
- **Noise Reduction**: Intelligent Dynamic Noise Reduction
- **Backlight Compensation (BLC)**: On/Off
- **Intelligent Defog**: Automatically adjusts parameters for best picture in foggy or misty scenes (Auto/Off)
- **White Balance**: Standard Auto, Sodium Lamp Auto, Basic Auto, Manual, Hold, Dominant Color Auto
- **Day/Night**: Mechanical switchable IR filter (Auto/On/off) Monochrome

### Video content analysis

<table>
<thead>
<tr>
<th>Analysis type</th>
<th>Essential Video Analytics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Configurations</strong></td>
<td>Silent VCA / Profile1 - 16</td>
</tr>
<tr>
<td><strong>Alarm rules</strong></td>
<td>Any object</td>
</tr>
<tr>
<td>(combinable)</td>
<td>Object in field</td>
</tr>
<tr>
<td></td>
<td>Crossing line</td>
</tr>
<tr>
<td></td>
<td>Entering field</td>
</tr>
<tr>
<td></td>
<td>Leaving field</td>
</tr>
<tr>
<td></td>
<td>Loitering</td>
</tr>
<tr>
<td></td>
<td>Following route</td>
</tr>
<tr>
<td></td>
<td>Idle object</td>
</tr>
<tr>
<td></td>
<td>Removed object</td>
</tr>
<tr>
<td></td>
<td>Counter</td>
</tr>
<tr>
<td></td>
<td>Occupancy</td>
</tr>
<tr>
<td></td>
<td>Crowd detection</td>
</tr>
<tr>
<td></td>
<td>Condition change</td>
</tr>
<tr>
<td></td>
<td>Similarity search</td>
</tr>
<tr>
<td></td>
<td>Tampering</td>
</tr>
</tbody>
</table>

| **Object filters**          | Duration Size Aspect ratio v/h Speed Direction Color Object classes (Upright persons, Bikes, Cars, Trucks) |
|                            |                                                         |
| **Calibration**             | Automatic self-calibrating when height is set          |

### Mechanical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pan/Tilt Modes</strong></td>
<td>Normal: 0.1°/s - 120°/s Turbo: Pan: 0.1°/s - 160°/s; Tilt: 0.1°/s - 120°/s</td>
</tr>
<tr>
<td><strong>Pre-position Speed</strong></td>
<td>Pan: 160°/s Tilt: 120°/s</td>
</tr>
<tr>
<td><strong>Pan Range</strong></td>
<td>360° continuous</td>
</tr>
<tr>
<td><strong>Tilt Angle</strong></td>
<td>-90° to 0°</td>
</tr>
<tr>
<td><strong>Preposition Accuracy</strong></td>
<td>± 0.1° typ.</td>
</tr>
<tr>
<td><strong>Pre-positions</strong></td>
<td>256</td>
</tr>
<tr>
<td><strong>Tours</strong></td>
<td>Two (2) types of tours:</td>
</tr>
<tr>
<td></td>
<td>• Recorded tours: two (2), maximum total duration 15 minutes (depending on the amount of commands sent during recording)</td>
</tr>
<tr>
<td></td>
<td>• Pre-position tour: one (1), consisting of up to 256 scenes consecutively, and one (1), customized up to 64 scenes</td>
</tr>
</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input voltage</strong></td>
<td>24 VAC and PoE+</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>24 VAC: 12 W PoE+: 12 W</td>
</tr>
</tbody>
</table>
### Software Control

- **Unit discovery**: IP helper
- **Camera Setup/Control**: Via web browser (such as Internet Explorer version 11.0 or later), Configuration Manager, Bosch VMS, or Video Client
- **Software**: Update network firmware upload
- **Latest firmware and software**: [http://downloadstore.boschsecurity.com/](http://downloadstore.boschsecurity.com/)

### Network

- **Video compression**: H.265, H.264, M-JPEG
- **Streaming**: Multiple configurable streams in H.265, H.264, and M-JPEG, configurable frame rate and bandwidth.
- **Frame rate**: 60fps at all resolutions
- **Resolution**: 1080p, 720p, D1 4:3 (cropped), SD (432p, 288p)
- **IP delay (typical)**: 60 fps: 200 ms
- **Bitrate**: The average typical optimized bitrate in kbits/second for various frame rates is shown in the following table:

<table>
<thead>
<tr>
<th>Video compression</th>
<th>H.265</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPS</td>
<td>1080p</td>
</tr>
<tr>
<td>60</td>
<td>1649</td>
</tr>
<tr>
<td>30</td>
<td>1413</td>
</tr>
<tr>
<td>15</td>
<td>1157</td>
</tr>
<tr>
<td>10</td>
<td>1075</td>
</tr>
<tr>
<td>5</td>
<td>746</td>
</tr>
<tr>
<td>2</td>
<td>407</td>
</tr>
</tbody>
</table>

- **Ethernet**: 10/100BASE-T
- **Encryption**: TLS 1.0, SSL, DES, 3DES, AES
- **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, DNSv5, DNSv5, DNSv5 (DynDNS.org. selfHOST.de, no-iP.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication
- **Interoperability**: ONVIF Profile S, ONVIF Profile G; GB/T 28181

### Audio

- **Compression**: G.711, 8kHz sampling rate
  - L16, 16kHz sampling rate
  - AAC, 16kHz sampling rate
- **Interface**: 1/1 Channel In/Out

### Local Storage

- **Memory card slot**: Support a memory card with a maximum of 32 GB microSDHC / 2 TB microSDXC (user-supplied). (An SD card of Class 6 or higher is recommended for HD recording.)

### Miscellaneous

- **Sector/Titling**: 16 independent sectors with 20 characters per title
- **Privacy Masks**: 24 individually configurable privacy masks
- **Privacy Masks pattern**: Black, White, Gray, Auto (average background color)
- **Supported Languages**: English, German, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Japanese, Chinese (simplified)

### User Connections

- **Power**: RJ45 10/100 Base-T PoE+ (IEEE 802.3at, class 4 standard)
  - 21-30 VAC, 50/60 Hz
- **Alarm Inputs**: 2
- **Alarm Outputs**: 1 relay output 32 VDC, 150 mA max.
- **Audio**: 1x mono line in, 1x mono line out
  - Signal line in: 94 kOhm typical, 1 Vrms max.
  - Signal line out: 1 kOhm typical, 1 Vrms max.

### Environmental (pendant model)

- **Ingress Protection Rating/Standard**: IP65
- **IK Rating**: IK10
- **Operating temperature**: -10 °C to +55 °C (+14 °F to +131 °F)
- **Humidity**: Up to 90% RH, non-condensing
- **Storage temperature**: -40 °C to +60 °C (-40 °F to +140 °F)

### Environmental (in-ceiling model)

- **Ingress Protection Rating/Standard**: IP51
<table>
<thead>
<tr>
<th>Operating temperature</th>
<th>-10 °C to +55 °C (+14 °F to +131 °F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidity</td>
<td>Up to 90% RH, non-condensing</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40 °C to +60 °C (-40 °F to +140 °F)</td>
</tr>
</tbody>
</table>

**Construction (pendant model)**

- **Dimensions (DIA x H)**: 170.2 mm x 162.4 mm (6.7 in x 6.39 in)
- **Weight**: 1.88 kg (4.14 lb)
- **Construction material**:
  - Housing: Aluminum
  - Bubble: Polycarbonate
- **Standard color**: White (RAL 9003)

**Construction (in-ceiling model)**

- **Dimensions (DIA x H)**: 198 mm x 159.3 mm (7.8 in x 6.27 in)
- **Weight**: 1.81 kg (3.99 lb)
- **Construction material**:
  - Housing: SPCC
  - Trim ring: PC/ABS
  - Bubble: Polycarbonate
- **Standard color**: White (RAL 9003)

**Dimensional Drawings**

All dimensions in the drawings are in mm (inch).

**In-ceiling model**

**Ordering information**

**NDP-4502-Z12 PTZ dome 2MP 12x clear indoor surface**

IP dome camera with clear bubble and indoor pendant housing. 12x zoom, 1080p HD. Essential Video Analytics, Intelligent Dynamic Noise Reduction, remote camera access, and dual power options.

Order number **NDP-4502-Z12**

**NDP-4502-Z12C PTZ dome 2MP 12x clear indoor in-ceiling**

IP dome camera with clear bubble and indoor in-ceiling housing. 12x zoom, 1080p HD. Essential Video Analytics, Intelligent Dynamic Noise Reduction, remote camera access, and dual power options.

Order number **NDP-4502-Z12C**

**Accessories**

**UPA-2450-50 PSU, 220VAC 50Hz, 24VAC 50VA out**

Indoor power supply for camera. 220 VAC, 50 Hz in; 24 VAC, 50 VA out

Order number **UPA-2450-50**

**UPA-2450-60 PSU, 120VAC 60Hz, 24VAC 50VA out**

Indoor power supply for camera. 120 VAC, 60 Hz In; 24 VAC, 50 VA Out

Order number **UPA-2450-60**

**NPD-6001B High PoE midspan**

High PoE Midspan, 60 W, single port, AC in

Order number **NPD-6001B**

**NDA-U-PA0 Surveillance cabinet 24VAC**

Surveillance cabinet, 24 VAC input, 24 VAC output, IP66

Order number **NDA-U-PA0**
NDA-U-PA1 Surveillance cabinet 120VAC
Surveillance cabinet, 120 VAC input, 24 VAC output, IP66
Order number NDA-U-PA1

NDA-U-PA2 Surveillance cabinet 230VAC
Surveillance cabinet, 230 VAC input, 24 VAC output, IP66
Order number NDA-U-PA2

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

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

NDA-U-PMAS Pole mount adapter small
Pole mount adapter small
Universal pole mount adapter, white; small.
Order number NDA-U-PMAS

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

NDA-U-PMTE Pendant pipe extension, 20" (50cm)
Extension for universal pipe mount, 50 cm, white
Order number NDA-U-PMTE

NDA-U-PSMB Pendant wall/ceiling mount SMB
Surface mount box (SMB) for wall mount or pipe mount.
Order number NDA-U-PSMB

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-WMT Pendant wall mount
Universal wall mount for dome cameras, white
Order number NDA-U-WMT

NEZ-A4-SMB Surface mount box
Surface mount kit for AUTODOME IP 4000 HD. White.
Order number NEZ-A4-SMB

VGA-IC-SP Suspended ceiling support kit, 7"
Suspended ceiling support kit for dome cameras. Aperture Ø177 mm (Ø7 in). Maximum supported weight 11.3 kg (25 lb).
Order number VGA-IC-SP

MNT-ICP-ADC Drop ceiling support kit for AUTODOME
Suspension ceiling support kit for AUTODOME IP 4000/5000/7000 AND VG5-100/600 series in-ceiling cameras
Order number MNT-ICP-ADC

NDA-4020-PIP Pendant interface plate AUTODOME 4000
Pendant interface plate for AUTODOME IP 4000i.
Order number NDA-4020-PIP

NDA-4020-PLEN Plenum box for PTZ dome
In-ceiling housing for plenum spaces for AUTODOME IP 4000i and AUTODOME IP 5000i cameras. Available in specific regions only.
Order number NDA-4020-PLEN

NDA-4020-PTBL Tinted bubble for PTZ dome
Tinted bubble for pendant models of AUTODOME IP 4000i cameras.
Order number NDA-4020-PTBL

NEZ-A4-BUB-CTIP Bubble, tinted, for in-ceiling model
Tinted bubble for in-ceiling model of AUTODOME IP 4000i cameras.
Order number NEZ-A4-BUB-CTIP

VG4-SFPSCKT ETHERNET TO SFP INTERFACE KIT
Ethernet media converter video transmitter/data receiver fiber optic kit for AUTODOME cameras and for MIC-IP-PSU for MIC analog cameras.
Order number VG4-SFPSCKT

SFP-2 Fiber module, multimode, 1310nm, 2LC
SFP Fiber Optic Module, 2 km (1.2 miles), 2 LC connectors.
Multi-mode 1310 mm
Order number SFP-2

SFP-3 Fiber module, single-mode, 1310nm, 2LC
SFP Fiber Optic Module, 20 km (12.4 miles), 2 LC connectors.
Single-mode 1310 nm
Order number SFP-3

SFP-25 Fiber module, 1310/1550nm, 1SC
SFP Fiber Optic Module, 2 km (1.2 miles), 1 SC connector
Multi-mode 1310/1550 nm
Order number SFP-25

SFP-26 Fiber module, 1550/1310nm, 1SC
SFP Fiber Optic Module, 2 km (1.2 miles), 1 SC connector
Multi-mode 1550/1310 nm
Order number SFP-26