

# AXIS T90D20

## High-performance illuminator with ease of installation

Based on the latest LED technology, the new generation of Axis illuminators delivers more light where it is needed. They generate longer illumination distances, minimize light wastage, and prevent overexposure of foreground objects. With interchangeable lenses, the angle of illumination can be optimized to match your network camera's field of view. AXIS T90D20 IR-LED Illuminators come with a AC/DC or PoE power input, for easy and flexible installation with PoE midspans or PoE switches. Thanks to integrated green features such as power adjust and telemetry control (on AC/DC model only), Axis illuminators enhance the potential for energy savings.

- > **Low power consumption**
- > **Flexible angle of illumination**
- > **Easy setup by remote control**
- > **Choice of AC/DC or PoE power input**
- > **Various mounting options**



# AXIS T90D20

|                               |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Models</b>                 | AXIS T90D20 IR-LED Illuminator, AC/DC variant<br>AXIS T90D20 IR-LED Illuminator, PoE variant                                                                                                                                                            | <b>EMC AC/DC variant</b><br>KCC KN15, KN 61547<br><b>Safety</b><br>IEC/EN 60598-1, IEC/EN 62471 (risk group 2), C22.2 No 250.0-08, UL 2108<br><b>Environment</b><br>IEC/EN 60529 IP66, IEC/EN 62262 IK09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>General</b>                |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Compatible products</b>    | All Axis cameras with infrared-cut filter                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Distance</b>               | With standard lens 10° x 10°: 144 m (472 ft)<br>With diverging lens 35° x 10°: 78 m (256 ft)<br>With diverging lens 60° x 25°: 54 m (177 ft)<br>With diverging lens 80° x 30°: 36 m (118 ft)<br>With optional diverging lens 120° x 50°: 24 m (79 ft)   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Power</b>                  | <b>AC/DC variant</b><br>Power input: 12–24 V AC/DC<br>AC frequency: 50–60 Hz<br>Maximum light: 18 W<br>Standby mode: 0.3 W<br><b>PoE variant</b><br>Power over Ethernet (PoE) IEEE 802.3at Type 1 Class 3<br>Maximum light: 20 W<br>Standby mode: 2.2 W |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Control technology</b>     | Through integrated push buttons or remote control: power level, photocell sensitivity, telemetry link for remote activation, timer                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Type</b>                   | 850 nm semi-covert                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Angle</b>                  | Without diverging lenses: 10°<br>With diverging lenses: 35°, 60°, 80°, 120° <sup>a</sup>                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Casing</b>                 | Aluminum and polycarbonate<br>Color: black                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Display and indicators</b> | Indicator LEDs                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Environment</b>            | Indoor and outdoor                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Mounting</b>               | Wall, ceiling, pole, fixed box camera housing                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Operating conditions</b>   | –50 °C to 50 °C (–58 °F to 122 °F)<br>Humidity 10–100% RH (condensing)                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage conditions</b>     | –50 °C to 70 °C (–58 °F to 158 °F)                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Approvals</b>              | EMC<br>FCC Part 15.107 and 15.109 Class B, ICES-003 Issue 6 Class B, EN 55032 Class B, RCM AS/NZS CISPR 32 Class B, VCCI Class B, EN 55015, EN 55024, EN 50130-4, EN 61547                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                               |                                                                                                                                                                                                                                                         | <b>Dimensions</b><br>100 x 135 x 66 mm (4 x 5 x 2.5 in)<br>Cable length: 2.5 m (8.2 ft)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                               |                                                                                                                                                                                                                                                         | <b>Weight</b><br>950 g (2.11 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                               |                                                                                                                                                                                                                                                         | <b>Included accessories</b><br>Three diverging lenses with different beam angles: 35°, 60° and 80°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                               |                                                                                                                                                                                                                                                         | <b>Optional accessories</b><br>AXIS T90B Remote Control<br>AXIS IR Diverging Lens B 120°<br>AXIS T90 Wall-and-Pole Mount<br>AXIS T90 Single Bracket<br>AXIS T90 Multi Bracket<br>AXIS T8123–E Outdoor Midspan 30 W 1–port<br>AXIS T8133 Midspan 30 W 1–port<br>AXIS T81B22 DC 30 W Midspan 1–port<br>AXIS T8134 60 W Midspan<br>AXIS T8124–E Outdoor Midspan 60 W 1–port<br>AXIS T8125 AC 24 V Midspan 60 W 1–port<br>AXIS T8144 60 W Industrial Midspan<br>AXIS T8508 PoE+ Network Switch<br>AXIS T8516 PoE+ Network Switch<br>AXIS T8524 PoE+ Network Switch<br>AXIS T8504–E Outdoor PoE Network Switch<br>Mains adaptor PS-24<br>Power Supply PS24 240 W<br>For more accessories, see <a href="http://www.axis.com">www.axis.com</a> |
|                               |                                                                                                                                                                                                                                                         | <b>Warranty</b><br>Axis 5-year warranty, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

a. 120° diverging lenses as optional accessory

Environmental responsibility:

[www.axis.com/environmental-responsibility](http://www.axis.com/environmental-responsibility)