

# AXIS M3047-P Network Camera

## 6 MP mini dome with 360° panoramic view

AXIS M3047-P is an affordably priced fixed dome with a 6 MP sensor in an environment-friendly, discreet design. It offers 360° overview and dewarped views such as panorama, view area, corridor, corner and quad views with outstanding sharpness. HDMI support enables live streaming to an HDTV monitor for public viewing. Black, vandal-resistant and smoke-detector casings are available as accessories, and AXIS M3047-P is easily repaintable to blend in with any environment. Installation is quick with bayonet-fitted casing and easy cable connection. No manual focusing is needed since the camera comes factory-focused.

- > Complete panoramic overview with outstanding sharpness
- > Quick installation with small and discreet design
- > Zipstream for reduced bandwidth and storage
- > HDMI support enables streaming to a monitor
- > 70% recycled plastics and PVC-free design



# AXIS M3047-P Network Camera

| Camera                            |                                                                                                                                                                                                                                                                                                                      | File upload via FTP, SFTP, HTTP, HTTPS network share and email<br>Notification via email, HTTP, HTTPS and TCP                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image sensor                      | 1/1.8" progressive scan RGB CMOS                                                                                                                                                                                                                                                                                     | Data streaming                                                                                                                                                                                                                                                                                                                            | Event data                                                                                                                                                                                                                                                                                                                                                          |
| Lens                              | F2.8, Fixed iris, Fixed focus, 1.6 mm<br>Horizontal field of view: 185°<br>Vertical field of view: 185°                                                                                                                                                                                                              | Built-in installation aids                                                                                                                                                                                                                                                                                                                | Pixel counter                                                                                                                                                                                                                                                                                                                                                       |
| Minimum illumination              | 0.3 lux at 50 IRE F2.8                                                                                                                                                                                                                                                                                               | General                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                     |
| Shutter time                      | 1/31500 s to 1/2 s                                                                                                                                                                                                                                                                                                   | Casing                                                                                                                                                                                                                                                                                                                                    | Aluminum and plastic casing, Encapsulated electronics<br>Color: White NCS S 1002-B<br>For repainting instructions of casing and impact on warranty, contact your Axis partner.                                                                                                                                                                                      |
| Camera angle adjustment           | Rotation ±180°                                                                                                                                                                                                                                                                                                       | Sustainability                                                                                                                                                                                                                                                                                                                            | PVC free, 70% recycled plastics                                                                                                                                                                                                                                                                                                                                     |
| Video                             |                                                                                                                                                                                                                                                                                                                      | Memory                                                                                                                                                                                                                                                                                                                                    | 1024 MB RAM, 256 MB Flash                                                                                                                                                                                                                                                                                                                                           |
| Video compression                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>Motion JPEG                                                                                                                                                                                                                                           | Power                                                                                                                                                                                                                                                                                                                                     | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2<br>Typical 4.2 W, max 6.49 W                                                                                                                                                                                                                                                                          |
| Resolution                        | 360° overview: 2048x2048 to 480x480<br>Panorama: 2304x648 to 640x240<br>Double Panorama: 2304x1296 to 480x360<br>Quad view: 2304x1296 to 480x360<br>View area: 1920x1440 to 480x360<br>Corner left or right: 1920x720 to 640x240<br>Double Corner: 1920x1440 to 480x360<br>Corridor: 2304x1296 to 480x360            | Connectors                                                                                                                                                                                                                                                                                                                                | RJ45 10BASE-T/100BASE-TX PoE<br>HDMI Type D <sup>b</sup>                                                                                                                                                                                                                                                                                                            |
| Frame rate                        | 360° overview only, up to 2048x2048: 30 fps<br>Dewarped view in max resolution + 360° overview up to 1920x1920: 15 fps<br>View area in 1280x720 + 360° overview up to 1200x1200: 30 fps                                                                                                                              | Storage                                                                                                                                                                                                                                                                                                                                   | Support for microSD/microSDHC/microSDXC card<br>Support for recording to dedicated network-attached storage (NAS)<br>For SD card and NAS recommendations see <a href="http://www.axis.com">www.axis.com</a>                                                                                                                                                         |
| Video streaming                   | Multiple, individually configurable streams in H.264 and Motion JPEG<br>Axis' Zipstream technology in H.264<br>Controllable frame rate and bandwidth<br>VBR/MBR H.264<br>HDMI                                                                                                                                        | Operating conditions                                                                                                                                                                                                                                                                                                                      | 0 °C to 40 °C (32 °F to 104 °F)<br>Humidity 10–85% RH (non-condensing)                                                                                                                                                                                                                                                                                              |
| Multi-view streaming              | 360° overview. Dewarped panorama, corridor, corner and quad views. Two individually cropped out and dewarped view areas. The 360° overview can be streamed simultaneously with two view areas or one other dewarped view.                                                                                            | Storage conditions                                                                                                                                                                                                                                                                                                                        | –40 °C to 65 °C (–40 °F to 149 °F)                                                                                                                                                                                                                                                                                                                                  |
| HDMI output                       | HDMI 720p@50/60 fps (50/60 Hz)                                                                                                                                                                                                                                                                                       | Approvals                                                                                                                                                                                                                                                                                                                                 | EMC<br>EN 55024, EN 55032 Class A, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 22 Class A, KCC KN32 Class A, KN35<br>Safety<br>IEC/EN/UL 62368-1<br>Environment<br>IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78                                      |
| Image settings                    | Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, WDR – dynamic contrast, noise reduction, rotation: 0°, 180°, text and image overlay, privacy masks, mirroring of images                                                                                        | Dimensions                                                                                                                                                                                                                                                                                                                                | Height: 46 mm (1.8 in)<br>ø: 101 mm (4.0 in)                                                                                                                                                                                                                                                                                                                        |
| Pan/Tilt/Zoom                     | Digital PTZ of view areas, Preset positions, Guard tour, Digital tilt of panorama and quad views.                                                                                                                                                                                                                    | Weight                                                                                                                                                                                                                                                                                                                                    | 240 g (0.53 lb)                                                                                                                                                                                                                                                                                                                                                     |
| Network                           |                                                                                                                                                                                                                                                                                                                      | Included accessories                                                                                                                                                                                                                                                                                                                      | Installation guide, Windows decoder 1-user license, drill hole template                                                                                                                                                                                                                                                                                             |
| Security                          | Password protection, IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1X <sup>a</sup> network access control, digest authentication, user access log, centralized certificate management                                                                                                                | Optional accessories                                                                                                                                                                                                                                                                                                                      | AXIS T94B02D Pendant Kit<br>AXIS T94B05L Recessed Mount<br>AXIS T94B01P Conduit Back Box<br>AXIS T94B02M J-Box/Gang Box Plate<br>AXIS M30 Casing B, Black<br>AXIS M30 Vandal-resistant Casing A<br>AXIS M30 Smoke Detector Casing A<br>Axis Mounts<br>AXIS Surveillance microSDXC™ Card<br>For more accessories, see <a href="http://www.axis.com">www.axis.com</a> |
| Supported protocols               | IPv4/v6, HTTP, HTTPS <sup>a</sup> , SSL/TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, HDMI 1.4b                                                                       | Video management software                                                                                                                                                                                                                                                                                                                 | AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available on <a href="http://www.axis.com/support/downloads">www.axis.com/support/downloads</a>                                                                                                                                                          |
| System integration                |                                                                                                                                                                                                                                                                                                                      | Languages                                                                                                                                                                                                                                                                                                                                 | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese                                                                                                                                                                                                                                           |
| Application Programming Interface | Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at <a href="http://www.axis.com">www.axis.com</a><br>AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profiles S and G, specifications at <a href="http://www.onvif.org">www.onvif.org</a> | Warranty                                                                                                                                                                                                                                                                                                                                  | Axis 3-year warranty and AXIS Extended Warranty option, see <a href="http://www.axis.com/warranty">www.axis.com/warranty</a>                                                                                                                                                                                                                                        |
| Analytics                         | Included<br>AXIS Video Motion Detection, Active Tampering Alarm<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="http://www.axis.com/acap">www.axis.com/acap</a>                                                                                      | <p>a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<a href="http://www.openssl.org">www.openssl.org</a>), and cryptographic software written by Eric Young (<a href="mailto:ey@cryptsoft.com">ey@cryptsoft.com</a>).</p> <p>b. Make sure that the cable has a slim connector plug</p> |                                                                                                                                                                                                                                                                                                                                                                     |
| Event triggers                    | Analytics, edge storage events, virtual inputs through API                                                                                                                                                                                                                                                           | Environmental responsibility:                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                     |
| Event actions                     | Overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap                                                                                                                                                                                                                   | <a href="http://www.axis.com/environmental-responsibility">www.axis.com/environmental-responsibility</a>                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                     |