# Product Description

The AXIS 241Q/S is a new generation, full-featured video server for security surveillance and remote monitoring needs, based around the new AXIS ARTPEC-2 compression chip. It has the ability to digitize up to 4 analog video sources and make these available on the network as streams of real time full frame rate Motion JPEG video.

The AXIS 241Q is equipped with 4 BNC inputs for analog video devices and the AXIS 241S is equipped with 1 BNC input and a matching loop-through output. The AXIS 241S can also accommodate Y/C video using an Y/C to BNC cable (not included). The AXIS 241Q/241S is equipped with RS232 and 485 ports for connection of third party PTZ systems and 4 alarm inputs and 4 alarm outputs, which can be connected to various third party devices, e.g. door sensors and alarm bells. Up to 20 viewers can access the unit simultaneously.

Video can be viewed in 10 resolutions (up to 768x576), each with 5 quality levels. The video server contains Video Motion Detection, which allows the unit to trigger on activity in the video image, and advanced scheduling tools which can also be used to trigger an event. As the AXIS 241Q/241S is designed for use in security systems, it is equipped with several security features, such as IP address filtering, multilevel password and HTTPS.

The AXIS 241Q/241S has a built-in Web server, providing full access to all features through the use of a standard Web browser. The built-in script tool allows basic applications to be created, providing basic surveillance solutions. For advanced functionality, the video server is easy to integrate through the use of AXIS HTTP API (more info on www.axis.com/developer)

## Hardware Inventory

Check the items supplied with your AXIS 241Q/241S against the following list:

| Item | Title/Variants |
|---|---|
| Video Server | AXIS 241Q |
| | AXIS 241S |
| This document | AXIS 241Q/241S User's Manual |
| Warranty Document | |
| Power Supply | Europe |
| PS-K | UK |
| | Australia |
| | USA/Japan |
| | Korea |
| Terminal Connector | 12 PIN |
| Mounting Kit | |
| Optional Accessories | ACC Y/C TO BNC CABLE (AXIS 241S only)<br>Part No. 21339 |

> The power supply is country specific, please check that the type of power supply you are using is correct.

## AXIS 241Q Front Panel



Indicators - After completion of the startup and self test routines, the multi-colored Network, Status, Power Indicators flash as follows:

| Network | Amber | Flashes for activity on a 10 Mbit/s network |
| --- | --- | --- |
|  | Green | Flashes for activity on a 100 Mbit/s network |
|  | Red | Flashes rapid red for hardware error, together with the Status indicator |
|  | None | No connection |
| Status | Green | Normal operation |
|  | Amber | Flashes during reset to factory default or at firmware upgrade |
|  | Red | Flashes rapid red for a hardware error, together with the Network indicator |
| Power | Green | Normal operation |
|  | Amber | Flashes green/amber during upgrade |

DIP Switches - A corresponding line termination switch for each of the supported video inputs. All units are shipped with the line termination enabled for each supported video input; that is, with the DIP switches set in the down-position.

Note: If the AXIS 241Q is to be connected in parallel with other equipment, disable the input termination by turning the corresponding DIP switch to the up-position (OFF). Failure to do this may cause reduced image quality.

Control Button - Press this button to restore the factory default settings, as described in Resetting to Factory Default Settings, on page 38 or to install using AXIS Internet Dynamic DNS Service (page 13).

Video Inputs - Accommodates up to 4 separate video sources (VIDEO 1 - VIDEO 4) simultaneously. Each supported video input is connected using a coax/BNC connector. Physical connections made using RG59 75 Ohm coax video cable have a recommended maximum length of 800 feet (250 meters).

## AXIS 241S Front Panel



Indicators - After completion of the startup and self test routines, the multi-colored Network, Status, Power Indicators flash as follows:

| Network | Amber | Flashes for activity on a 10 Mbit/s network |
|---------|-------|---------------------------------------------|
|         | Green | Flashes for activity on a 100 Mbit/s network |
|         | Red   | Flashes rapid red for hardware error, together with the Status indicator |
|         | None  | No connection |
| Status  | Green | Normal operation |
|         | Amber | Flashes during reset to factory default or at firmware upgrade |
|         | Red   | Flashes rapid red for a hardware error, together with the Network indicator |
| Power   | Green | Normal operation |
|         | Amber | Flashes green/amber during upgrade |

DIP Switches - the AXIS 241S is delivered configured for composite video input.

| Switch | 1 | 2 | 3 | 4 |
|--------|---|---|---|---|
| Description | 75 ohm video in termination | 75 ohm video out termination | connects video in and video out | Not used |
| Composite video input | on | off | on | n/a |
| Y/C video input | on | on | off | n/a |

Note: If the AXIS 241S is to be connected in loop through with other equipment, disable the input termination by setting switch 1 to the up-position (OFF). Failure to do this may cause reduced image quality.

Control Button - Press this button to restore the factory default settings, as described in Resetting to Factory Default Settings, on page 38 or to install using AXIS Internet Dynamic DNS Service. See "AXIS Internet Dynamic DNS Service" on page 13.

Video Input - Coaxial BNC connector supporting a single composite video source. The physical connection is made using RG59, 75 Ohm coax video cable with a recommended maximum length of 800 feet (250 meters).

Note: The AXIS 241S supports conversion between composite video and Y/C (s-video) using an Y/C to BNC cable.

Video Output - A single video loop-through (VIDEO OUT) connected in parallel with VIDEO IN and terminated with a coax/BNC connector. Allows direct connection of, e.g. an external monitor. Set dipswitch to OFF when in use.