

AXIS P3364-LVE Technical Glossary

Audio Terms

- **AAC:** Advanced Audio Coding - compressed audio format requiring license
- **G.711:** Uncompressed audio codec standard for VoIP systems
- **G.726:** Compressed speech codec commonly used in security industry
- **Half-duplex:** Audio transmission in one direction at a time
- **Full-duplex:** Simultaneous two-way audio transmission
- **Simplex:** One-way audio transmission only

Video Terms

- **H.264:** Advanced video compression standard (also MPEG-4 Part 10/AVC)
- **MJPEG:** Motion JPEG - series of JPEG images for video streaming
- **GOP:** Group of Pictures - sequence of video frames between keyframes
- **I-frame:** Complete video frame (keyframe)
- **P-frame:** Partial frame containing only changes from previous frame
- **Bitrate:** Amount of data transmitted per second (affects quality and bandwidth)
- **VBR:** Variable Bit Rate - bitrate adjusts based on scene complexity
- **MBR:** Maximum Bit Rate - bitrate cap to control bandwidth usage

Network Terms

- **PoE:** Power over Ethernet - delivers power through network cable
- **DHCP:** Dynamic Host Configuration Protocol - automatic IP assignment
- **DNS:** Domain Name System - translates hostnames to IP addresses
- **NTP:** Network Time Protocol - synchronizes device clocks
- **RTSP:** Real Time Streaming Protocol - for video stream delivery
- **RTP:** Real-time Transport Protocol - carries audio/video data
- **Unicast:** One-to-one data transmission
- **Multicast:** One-to-many data transmission (efficient for multiple viewers)
- **NAT:** Network Address Translation - allows private network access through router

Security Terms

- **HTTPS:** HTTP over SSL - encrypted web communication
- **IEEE 802.1X:** Port-based network access control standard
- **ONVIF:** Open Network Video Interface Forum - interoperability standard
- **VAPIX:** Axis API for integrating with video products
- **SSL/TLS:** Secure communication protocols for encryption

Camera Terms

- **PTZ:** Pan, Tilt, Zoom - camera movement controls
- **Digital PTZ:** Software-based zoom and pan (no physical movement)
- **Preset Position:** Saved camera view (pan/tilt/zoom combination)
- **Guard Tour:** Automated sequence visiting multiple preset positions
- **IR Cut Filter:** Infrared blocking filter for day/night operation
- **WDR:** Wide Dynamic Range - improves exposure in high contrast scenes
- **Privacy Mask:** Software overlay to hide specific image areas

Storage Terms

- **SD/SDHC/SDXC:** Secure Digital memory card types (different capacities)
- **ext4:** Linux file system format (recommended for reliability)
- **vFAT:** File system compatible with most operating systems
- **Edge Storage:** Local recording on camera's storage device
- **Network Share:** Remote storage location (NAS, server folder)

System Terms

- **Firmware:** Software that controls camera hardware
- **AMC:** AXIS Media Control - browser plugin for video viewing
- **ACAP:** AXIS Camera Application Platform - for third-party applications
- **UPnP:** Universal Plug and Play - automatic network device discovery
- **Bonjour:** Apple's implementation of zero-configuration networking
- **SNMP:** Simple Network Management Protocol - for device monitoring

Status Terms

- **Factory Default:** Original manufacturer settings

- **Firmware Upgrade:** Installing newer software version
- **Factory Reset:** Restoring original settings (erases configuration)
- **Tampering:** Detection of camera interference or movement
- **Action Rule:** Automated response to specific events or triggers