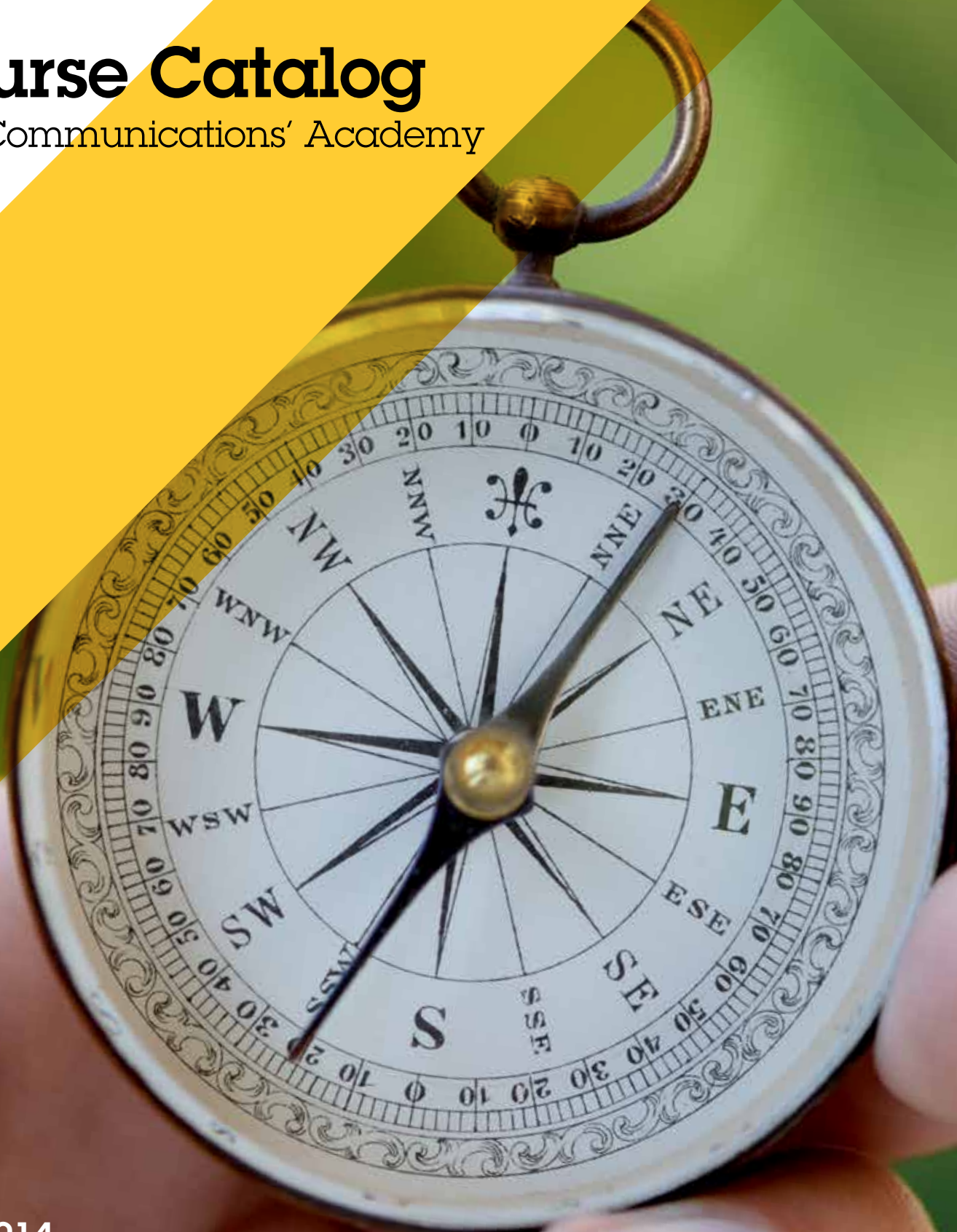


Course Catalog

Axis Communications' Academy



What type of knowledge do you need?

Axis has that.

With the shift to IP technologies, our security industry is in a constant state of innovation. For proof just look at the network camera, which Axis launched to the world in 1996. That first "Neteye" camera maxed out at one frame per second in CIF resolution – that's less than 0.1 megapixel. Today, network cameras boast innovations like full frame rate HDTV video, color video in extreme low light and even covert pinhole form factors.

Axis and the industry have come a long way in a short amount of time. So, with this fast-paced innovation, what are you doing to stay ahead?

It all starts with education. Whether you are looking for classroom training, online courses, tutorials and guides, webinars, seminars and/or certification, Axis has you covered. Axis Communications' Academy provides a wide offering of trainings to help build your strengths in network video surveillance and physical access control. You choose what works best for you.

We designed this course catalog to help easily identify tools and trainings based on three learning tracks: sales and business development, system design, and installation and configuration. Once you select the learning track(s) that best fits your professional goals, look for the corresponding symbol throughout the catalog as well as each course's difficulty level and learning format to choose the right offering for you.

If education is the first step, validation is the next. Each learning track builds toward becoming an Axis Certified Professional, the industry's first professional network video certification to validate IP video expertise. By working together with Prometric, a leading global provider of comprehensive testing and assessment services, Axis provides a globally standardized network video certification that is valid, reliable and fair. Put your knowledge to the test and give your business a valuable competitive advantage by becoming an Axis Certified Professional.

Additionally, whether you are new to the industry or a seasoned veteran, Axis is dedicated to providing you the right tools and resources to meet your professional goals. Earn continuing education credits through classroom-based trainings, which are accredited by BICSI and ESA. Our team of technical and sales trainers is here to help you succeed and provide customized support and learning opportunities.

Our portfolio of trainings, tools and guides in various learning formats are continuously updated to reflect the newest innovations and technologies. As a result, this catalog will be updated regularly to reflect changes in course offerings and availability.

Axis works with every facet of your business, providing training, tools and quick reference help for everything your customers expect – as well as the things they don't even know they need yet.

Let's get started...

Empowering knowledge

Training the professional
Knowledge and skills
Dynamic learning methods

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Learning tracks

Tailored to meet your professional goals.

Sales and business development



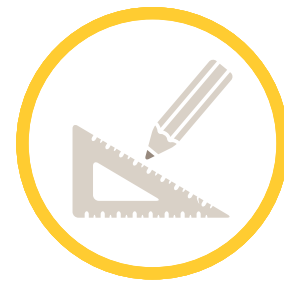
Match your customer needs to the right solution.



System design



Designing optimal solutions.



Installation and configuration



Installing and configuring solutions, quickly and easily.



Sales and business development

Make a sale that makes a difference.

Growing a business depends, in part, on building a reputation as an expert in providing exactly what your customers need. Expertise and credibility aren't earned overnight, but instead are rooted in training and education in addition to on-the-job knowledge. Axis developed this learning track to provide practical, relevant knowledge that allows you to show your customers the clear and compelling business benefits of IP-based solutions.

Below are the recommended courses to gain expert knowledge for this learning track. Please refer to the "Academy educational offerings" section for more details.

Classroom trainings	<ul style="list-style-type: none"> > Network Video Fundamentals > Sales Essentials
Online courses	<ul style="list-style-type: none"> > Axis naming convention > Axis product types > Introduction to networking
Webinars	<ul style="list-style-type: none"> > Analytics for a smarter, safer world > Axis Communications' product overview > Beginner networking series > Intermediate networking series > Latest and greatest product > Physical Access Control 101 & 201 > Sales and support programs
Web articles, videos and educational apps	<ul style="list-style-type: none"> > Introduction to imaging > Prepare your network video surveillance system > Technical guide to network video > Ten reasons to switch to IP-based video
System design tools	<ul style="list-style-type: none"> > Axis Accessory Selector > AXIS Camera Companion Buyers Tool > AXIS Guide App > Axis Product Selector

Track your progress by using the sales and business development checklist provided on page 35.

System design

Designing solutions is your passion.

Success stories hinge on quickly and efficiently designing optimal solutions for your customers' needs. With the right knowledge, you can increase your speed and proficiency in top level designs.

Below are the recommended courses to gain expert knowledge for this learning track. Please refer to the "Academy educational offerings" section for more details.

Classroom trainings	<ul style="list-style-type: none"> > AXIS Camera Station > Designing Network Video Solutions > Entry Management System > Network Video Fundamentals > Video Encoder Technologies
Online courses	<ul style="list-style-type: none"> > Applied image quality > Axis naming convention > Axis product types > AXIS T8414 Installation Display > Fiber optics with Axis products > Introduction to networking > Lights, Camera, Action!
Webinars	<ul style="list-style-type: none"> > Analytics for a smarter, safer world > Axis Communications' product overview > Beginner networking series > Intermediate networking series > Latest and greatest product > Physical Access Control 101 & 201
Web articles, videos and educational apps	<ul style="list-style-type: none"> > Axis Camera Families for Autodesk® Revit® video > Axis Coverage Shapes video > AXIS Design Tool video > Identification and recognition > Image quality > Introduction to imaging > Low light solutions > Perfect pixel count > Preparing your network video surveillance system > Site survey considerations > Sound in surveillance > Technical guide to network video > The Zoom Factor > Troubleshooting Axis cameras > Visual light studio > Wide Dynamic Range (WDR) > 60 seconds: Multicasting
System design tools	<ul style="list-style-type: none"> > Axis Accessory Selector > AXIS Camera Extension for the SketchUp® 3D CAD software > Axis Camera Families for Autodesk® Revit® > Axis Coverage Shapes for Microsoft® Visio® > AXIS Design Tool > AXIS Guide App > Axis Lens Calculator > Axis Product Selector

Track your progress by using the sales and business development checklist provided on page 36.

Installation and configuration

You are the front line.

Whether it is your first installation or 1,000th, keeping customers satisfied comes down to trust. That trust comes from your customers knowing that you will always come through for them by handling products in the right way and delivering flawless installations with optimal configuration. With top performance from day one, your customers will get the most out of their solutions, while you save time and money.

Below are the recommended courses to gain expert knowledge for this learning track. Please refer to the "Academy educational offerings" section for more details.

Classroom trainings	<ul style="list-style-type: none"> > Entry Management System > Network Video Fundamentals > Product Installation and Configuration
Online courses	<ul style="list-style-type: none"> > Axis naming convention > Axis product types > AXIS T8414 Installation Display > Fiber optics with Axis products > Introduction to networking
Webinars	<ul style="list-style-type: none"> > Analytics for a smarter, safer world > Axis Communications' product overview > Beginner networking series > Intermediate networking series > Monthly installation tip > Physical Access Control 101 & 201
Web articles, videos and educational apps	<ul style="list-style-type: none"> > Introduction to imaging > Prepare your network video surveillance system > Power surges > Technical guide to network video > Top ten installation challenges > Troubleshooting Axis cameras > 60 seconds: Multicasting
System design tools	<ul style="list-style-type: none"> > Axis Lens Calculator

Track your progress by using the sales and business development checklist provided on page 37.

Validate your expertise in network video

Axis Certification Program

Axis Certification Program



Master your knowledge.

Certification is a significant professional development benefit, giving you and your company a valuable competitive advantage. As an Axis Certified Professional, you will be readily identified by colleagues and customers as an expert in IP video.

Axis sets the industry standard by offering the first professional network video certification to validate IP video expertise. The Axis Network Video Exam is a rigorous and advanced level test. Certification is valid for two years, making it a comprehensive indicator of the latest network video technologies, solutions, best practices and implementation techniques.



LISTEN!

Hear what current Axis Certified Professionals have to say...



Your path to certification:

- 1 What's on the exam?**
 - > Network video technology (15%)
 - > Networking (15%)
 - > System design (30%)
 - > Axis product knowledge (30%)
 - > Installation (10%)
- 2 How do I prepare?**
 - > Go to page 38 and we'll show you!
- 3 Test your knowledge!**
 - > Visit axis.com/certification for sample questions
- 4 Register for the exam**
 - > Register online with Prometric
- 5 Pass the exam**
 - > Yay!
- 6 Receive your diploma and card**
 - > You'll receive these a few weeks after passing the exam
- 7 Now, show off your expertise!**
 - > With all this swag, show your customers you're the one for the job
- 8 Don't let your certification expire**
 - > Refresh your knowledge and get re-certified!

For more information and preparation materials, visit www.axis.com/certification


Academy educational offerings

Classroom trainings

Axis offers a wide range of classroom trainings. Whatever your background, you can achieve the proficiency you need to work successfully with Axis products and solutions.

The following courses are available throughout North America. To register and view the complete course schedule, visit: www.axis.com/academy/classroom-based.htm

Axis Boot Camp

Level of difficulty:  Advanced
Length: 4 days
Credits: pending approval
Cost: \$499 USD (includes voucher for Axis Network Video Exam)

Course description:
 This course gives you the chance to become an Axis Certified Professional all in one week! Three days of intensive preparation training will help you get ready to take the Axis Network Video Exam on the final day.

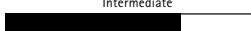
Learning objectives:
 Understand the five critical knowledge areas on the exam: networking, network video technology, system design, product knowledge and installation.

Prerequisites: Participants are required to read the "Technical guide to network video" to gain a basic knowledge of video surveillance and IP networking.

Upcoming trainings*

09/09	Lewisville, TX	10/21	Irvine, CA
09/09	San Mateo, CA	10/21	Reston, VA
09/16	Chelmsford, MA	10/28	Calgary, AB
09/16	Newark, NJ	10/28	Houston, TX
09/16	Vancouver, BC	11/04	Chelmsford, MA
09/23	El Paso, TX	11/04	Columbus, OH
09/23	San Diego, CA	11/18	Denver, CO
09/23	Toronto, ON	11/18	Madison, WI
09/30	Montreal, QC	11/25	Regina, SK
10/07	Brooklyn, NY	12/02	Buffalo, NY
10/07	Oklahoma City, OK	12/02	Richmond, VA
10/14	Chicago, IL	12/09	Chicago, IL
10/14	White Plains, NY	12/09	Fort Lauderdale, FL

AXIS Camera Station

Level of difficulty:  Intermediate
Length: 1 day
Credits: ESA: 0.7 / BICSI: 6
Cost: \$299 USD

Course description:
 This technical course gives you the skills to successfully deploy and manage AXIS Camera Station 4.0. Topics are explored in theory lessons combined with hands-on labs.

Learning objectives:

- > Plan, install and use AXIS Camera Station
- > Configure split views, hotspots, sequences, maps and PTZ functionality
- > Set-up recordings and alerts
- > Configure video format, resolution and frame rate
- > Estimate and configure storage space

Prerequisites: Participants are recommended to first learn the essentials of IP video in Network Video Fundamentals.

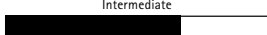
Upcoming trainings*

09/25	Albany, NY	11/20	San Diego, CA
10/09	Chicago, IL	11/20	Seattle, WA
10/15	Chelmsford, MA	12/03	Honolulu, HI
10/15	Phoenix, AZ	12/10	Newburg, NY
10/29	Lewisville, TX	12/11	Irvine, CA
10/29	Sacramento, CA	12/12	Houston, TX
11/06	San Jose, CA		

-  Sales and business development
-  Installation and configuration
-  System design
-  Certification

Dates, locations and availability for classroom trainings are subject to change. Please see complete list of available courses online at www.axis.com/academy/classroom-based.htm. For questions, please contact your sales representative at 1-800-444-2947 opt. 3.

Certification Preparation

Level of difficulty: 
 Length: 1 day
 Credits: ESA: 0.7 / BICSI: 6
 Cost: \$150 USD (includes voucher for Axis Network Video Exam)

Prerequisites:
 We strongly recommend all students take Network Video Fundamentals, Video Encoder Technologies and Designing Network Video Solutions.

Upcoming trainings*

09/11	Trenton, NJ	10/10	Chicago, IL
09/18	Cincinnati, OH	10/23	Portland, ME
09/18	Las Vegas, NV	11/13	St. Louis, MO
10/09	Chelmsford, MA	12/04	Detroit, MI
10/09	Kansas City, MO	12/11	Chelmsford, MA

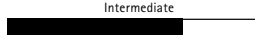
Course description:

This course is designed to introduce and prepare you for the Axis Network Video Exam. The course will review the material covering the different subject areas on the test. You will receive practice questions and tools to help you prepare for the exam after you leave the classroom.

Learning objectives:

- > Understand the Axis Certification Program
- > Prepare and register for Axis Network Video Exam
- > Certification exam content by knowledge area

Entry Management System

Level of difficulty: 
 Length: 1 day
 Credits: pending approval
 Cost: \$299 USD

Prerequisites:
 We strongly recommend that participants have some knowledge of physical security or access control systems.

Upcoming trainings*

09/10	Minneapolis, MN	10/30	Sacramento, CA
09/17	Tampa, FL	11/07	San Jose, CA
09/25	Albany, NY	11/13	St. Louis, MO
09/25	Bloomington, IL	11/19	San Diego, CA
10/08	Kansas City, MO	11/19	Seattle, WA
10/08	Salt Lake City, UT	12/04	Omaha, NE
10/14	Chelmsford, MA	12/05	Edison, NJ
10/16	Phoenix, AZ	12/09	Newburg, NY
10/22	Albuquerque, NM	12/10	Irvine, CA
10/28	Lewisville, TX		

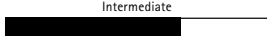
Course description:

This course is designed to introduce a new era of Axis products through a combination of instructor-led presentations and interactive labs. Students will learn how to build the foundation for a non-proprietary and scalable IP access control solution.

Learning objectives:

- > Understand the main components of an access control system and differences between distributed and centralized designs
- > Understand safety and security challenges surrounding access management
- > Be able to install and configure an AXIS A1001 Network Door Controller with the built-in AXIS Entry Manager web-based software

Designing Network Video Solutions

Level of difficulty: 
 Length: 1 day
 Credits: ESA: 0.7 / BICSI: 6
 Cost: \$299 USD

Prerequisites:
 We strongly recommend all students take Network Video Fundamentals and introductory online courses and tutorials.

Upcoming trainings*

09/09	Fresno, CA	11/11	Tucson, AZ
09/11	Minneapolis, IN	11/21	San Diego, CA
09/18	Cincinnati, OH	12/04	Detroit, MI
09/26	Bloomington, IL	12/04	Honolulu, HI
10/07	Kansas City, MO	12/04	Omaha, NE
10/30	Lewisville, TX	12/11	Houston, TX
11/06	Jackson, MS	12/12	Irvine, CA

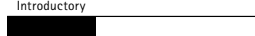
Course description:

This course covers many important aspects of designing a network video surveillance system and puts theory into practice through comprehensive and interactive lab sessions.

Learning objectives:

- > Understand the cornerstones of a network video system
- > Learn how product selection and camera placement effect the usability of a system
- > Make decisions on products and placement based on customer needs
- > Use Axis' system design tools to facilitate the design process

Network Video Fundamentals

Level of difficulty: 
 Length: 2 days
 Credits: ESA: 1.4 / BICSI: 13
 Cost: \$599 USD

Upcoming trainings*

09/09	Edmonton, AB	10/21	Portland, ME
09/09	Trenton, NJ	10/28	State College, PA
09/16	Cincinnati, OH	11/03	San Jose, CA
09/16	Las Vegas, NV	11/04	Jackson, MS
09/23	Albany, NY	11/11	Baltimore, MD
09/23	Bloomington, IL	11/11	New Haven, CT
09/23	Macon, GA	11/11	St. Louis, MO
10/07	Charlestown, WV	12/02	Detroit, MI
10/07	Chelmsford, MA	12/02	Edison, NJ
10/07	Chicago, IL	12/02	Omaha, NE
10/14	Montreal, QC	12/09	Chelmsford, MA
10/21	Greenville, SC	12/09	Houston, TX

Course description:

This is a comprehensive course covering the essentials of network video. Topics are explored in theory lessons combined with hands-on labs.

Learning objectives:

- > Camera technology and setup
- > Selecting the appropriate camera type and placement
- > Ways to save bandwidth and storage
- > Intelligent applications

Prerequisites:

We strongly recommend all students spend 30 minutes on Axis' online "Introduction to networking" course to confirm their network knowledge.

Product Installation and Configuration



Level of difficulty: Intermediate
 Length: 1 day
 Credits: ESA: 0.8 / BICSI: 6
 Cost: \$299 USD

Prerequisites:
 We strongly recommend that all attendees complete the Network Video Fundamentals training and introductory online courses and tutorials.

Upcoming trainings*

09/09	Minneapolis, MN	11/04	Montreal, QC
09/11	Trenton, NJ	11/05	San Jose, CA
09/16	Tampa, FL	11/13	New Haven, CT
09/25	Macon, GA	11/18	San Diego, CA
10/07	Salt Lake City, UT	11/18	Seattle, WA
10/14	Phoenix, AZ	12/02	Honolulu, HI
10/21	Albuquerque, NM	12/04	Edison, NJ
10/23	Greenville, SC	12/09	Irvine, CA
10/28	Sacramento, CA		

Course description:

This course provides advanced camera installation, configuration and management solutions to accurately and efficiently bring camera installations to full operation. Practice what you have learned through hands-on lab exercises.

Learning objectives:

- > Understand installation and configuration options
- > Understand how to use Axis software and installation accessory products for camera installations
- > Anticipate challenges and identify solutions based on customer needs

Sales Essentials



Level of difficulty: Introductory
 Length: 1 day
 Credits: ESA: 0.8 / BICSI: 6
 Cost: \$99 USD

Course description:

This course provides an all-around approach to generating sales. This interactive course is a combination of lecture, workshops and real life scenarios.

Learning objectives:

- > Utilize the sales cycle from prospecting leads to securing repeat business
- > Identify best practices for presenting IP video surveillance solutions to end users
- > Develop unique, "outside-the-box" business strategy
- > Conduct Axis product demonstrations to end users
- > Utilize your partnership with Axis for sales and marketing support

Prerequisites:

We strongly recommend all students take Network Video Fundamentals, introductory online courses and tutorials.

Upcoming trainings*

09/09	Albuquerque, NM	10/21	Stamford, CT
09/09	Fresno, CA	10/23	Newark, NJ
09/11	El Paso, TX	10/28	Boise, ID
09/11	San Jose, CA	10/28	Fort Myers, FL
09/15	Harford, CT	10/30	Miami, FL
09/16	Chelmsford, MA	11/04	Philadelphia, PA
09/18	Ottawa, ON	11/04	Seattle, WA
09/23	Las Vegas, NV	11/06	Harrisburg, PA
09/23	Toledo, OH	11/06	Portland, OR
09/25	Indianapolis, IN	11/11	Chelmsford, MA
09/25	Tucson, AZ	11/11	Toronto, ON
09/30	Montreal, QC	11/13	Syracuse, NY
10/07	Des Moines, IA	11/18	Chicago, IL
10/07	Richmond, VA	11/20	Minneapolis, MN
10/09	Charlotte, NC	12/01	Honolulu, HI
10/09	St. Louis, MO	12/02	Kansas City, MO
10/14	Detroit, MI	12/04	Wichita, KS
10/16	Pittsburg, PA		

Video Encoder Technologies



Level of difficulty: Intermediate
 Length: 1 day
 Credits: ESA: 0.7 / BICSI: 6
 Cost: \$299 USD

Course description:

This technical course will familiarize you with Axis Communications' encoder offering. Topics are explored in theory combined with hands-on labs.

Learning objectives:

- > Install and configure the products
- > Choose the right video encoder
- > Hardware installation
- > Network design and configuration
- > PTZ configuration and advanced feature configuration
- > Troubleshooting tools

Prerequisites:

We strongly recommend all students take Network Video Fundamentals, introductory online courses and tutorials.

Upcoming trainings*

09/04	Pittsburg, PA		
11/13	New Haven, CT		

Dates, locations and availability for classroom trainings are subject to change. Please see complete list of available courses online at www.axis.com/academy/classroom-based.htm. For questions, please contact your sales representative at 1-800-444-2947 opt. 3.



Sales and business development



System design



Installation and configuration



Certification

Academy educational offerings

Online Courses

Take the classroom with you and stay updated on the Axis product portfolio, services and solutions at your convenience anywhere in the world, any time. These brief, free courses are perfect for new employees or as quick refreshers.

Axis' online courses are free and can be found at www.axis.com/academy/web-based.htm

Network video technologies

Axis product types

Learn about Axis' different product types to help meet your customers' surveillance needs.

Length: 10 minutes

Axis naming convention

This course provides an overview from the product lines to the extensions.

Length: 5-10 minutes

Introduction to networking

This course provides a basic understanding about networking and commonly used terms.

Length: 30-40 minutes

Fiber optics with Axis products

This course will teach you about fiber optics in general as well as using fiber optics with Axis products.

Length: 20-30 minutes

Design & installation considerations

AXIS T8414 Installation Display

Learn how to use the latest handheld installation display for focusing your Axis network cameras.

Length: 10-15 minutes

Imaging

Applied image quality


Learn how to cover various aspects of image quality from a surveillance point of view.


Length: 10-15 minutes

Lights, Camera, Action!

This course will advise you about why, when and how to install lighting.

Length: 10-15 minutes

 Sales and business development

 Installation and configuration

 System design

 Certification

Academy educational offerings

Webinars

Whether you are new to Axis Communications or have been in the industry for years, these free presentations are designed to update you on the latest technology, products, trends, and innovations in physical network security.

To register for webinars, you must be an Axis partner and have a "Partner Pages" access.

For more information about access, please contact our Inside Sales team at 1-800-444-2947, option 3.

Here's a glance at some of our ongoing webinar series. Specific presentation dates and previous recordings can be found on the Partner Pages or online at www.axis.com/us/academy/reg_webinars.htm

Analytics for a smarter, safer world

Video surveillance goes way beyond security! With the numerous applications that emerge on the market, customers are able to utilize video for business intelligence to make informed decisions, improve response time, reduce costs and maximize return on investment. Join a technical trainer each month and explore different analytics that integrate with Axis cameras to provide a full solution.

Axis Communications' product overview

This quarterly presentation is designed to showcase Axis' product offering and highlight the main features and functions that enable you to find the best solution for the scenario at hand.

Beginner networking

Before anyone can fully dive into IP video surveillance, it is critical to have a strong foundation in the fundamentals of networking. Each month, a technical trainer will highlight a different topic to get you up to speed.

Intermediate networking

For those who have a strong foundation in networking, we invite you to take an in-depth look at more complex networking capabilities that will enable you to design and securely integrate security solutions that meet the goals and objectives of upcoming projects.

Latest and greatest product

Stay one step ahead with the knowledge of the newest Axis products. Every month, a technical trainer will take you through the details of the advancements and innovations surrounding the newest addition to Axis' product offering.

Monthly installation tip

Axis takes pride in its dedication to empower integrators with the innovations and tools for easy installations and optimal configuration. These monthly presentations are aimed at showing how Axis does just that with every product to ensure top performance and build trust with end customers.

Physical Access Control 101 & 201 Webinar Series **NEW**

Did you hear Axis entered the physical access control market? No fear if you're new to the industry! Solidify your basic knowledge of locks, readers, software, door controllers as well as other industry technologies, standards and practices with our Access Control 101 webinars. Already a master of physical access control? Time to discover a new level of freedom as our technical trainers explain how to improve traditional systems with Axis' innovative IP-based edge solution with our Access Control 201 webinars.

Sales & support programs

This presentation is designed to acquaint new partners with the many benefits of the Axis Channel Partner Program. We will cover the partner levels and discount structure, NFR/demo unit, trade-in and loaner programs, support services, educational opportunities and other relevant information to help provide a mutually successful relationship with Axis.



Sales and business development



System design



Installation and configuration



Certification

Academy educational offerings

Web articles, videos and educational apps

Do you want to learn more about topics such as network video, camera installation and how to obtain the image quality needed for specific surveillance objectives? Here you find tutorials and guides to help you in the design and installation of your network video project.

Axis' tutorials and guides are free of charge and open to the general public. To access our tutorials and guides, please visit www.axis.com/academy/guides.htm

Web articles

Identification and recognition

Learn how cameras can provide the close-up footage required for identification and recognition.

Introduction to imaging

Introduction to the concept of how light affects exposure settings and contributes to image quality.

Image quality

This guide is about what image quality is and how to adjust your camera to achieve your goal.

Low light solutions

Get an understanding of why cameras have a harder time to operate in darkness, show common pitfalls and present general design considerations.

Perfect pixel count

This guide helps you select the best cameras for operational requirements and surveillance scenarios.

Power surges

Learn about what these surges are, what they can do and how you can benefit from the built-in capabilities of Axis cameras.

Preparing your network video surveillance system

Determine the scene requirements, application needs and network needs.

Site survey considerations

A five step guide to conducting a site survey and documenting it for future needs.

Sound in surveillance

Learn how audio can extend your video surveillance system's capabilities.

Technical guide to network video

Explore the techniques and factors to consider for the successful deployment of IP-based surveillance.

Ten reasons to switch to IP-based video

Take a look at ten key motivators for switching from analog to IP-based cameras.

Top ten installation challenges

A 10 step guide to some installation challenges and how to overcome them.

Troubleshooting Axis cameras

This article will guide you through some useful steps in troubleshooting your Axis network cameras.

Wide Dynamic Range (WDR)

Learn why dynamic range is a challenge and how it can be handled.

Videos

60 seconds: Multicasting

(1:09 min YouTube video)

In 60 seconds, learn how multicasting differs from normal network traffic and how it can benefit your IP video installation.

Axis Camera Families for Autodesk® Revit®

(2:57 min YouTube video)

Interactive Axis camera models for Autodesk® Revit® to illustrate surveillance system designs directly in 3D CAD building layouts.

Axis Coverage Shapes

(5:26 min YouTube video)

An easy-to-use library of camera shapes for Microsoft® Visio® that helps you plan your surveillance solution.

AXIS Design Tool

(5:18 min YouTube video)

A practical example for estimating bandwidth and storage needs for your video surveillance installation.

The Zoom Factor

(2:42 min YouTube video)

Find out more about zoom optics and how to interpret the lens' zoom factor.

Educational apps

Virtual light studio

See how a scenes appearance changes depending on the type, amount and placement of light.

Academy educational offerings

Seminars

Business seminar presentations are designed to provide valuable information about new technology, products or other information of interest.

To request a seminar, please contact your regional sales representative or call our Inside Sales team for more information at 800-444-2947 option 3.

Accelerate Network Video Sales

Course description:

This course provides information for network video professionals who want to become more successful in selling IP and Axis products.

Length: 3-4 hours

Prerequisites: Network video industry background.

Learning objectives:

- > Understand Axis' business model and how Axis works to support you in your sales process
- > Gain insight into the rapidly growing network video market
- > Identify the 10 most compelling arguments for network video

Heat up Sales with Axis Thermal Cameras

Course description:

The course will describe how to effectively integrate Axis thermal camera technology with existing Axis network cameras, expanding the system's surveillance capabilities.

Length: 1.5 – 2 hours

Prerequisites: Video surveillance or physical security background

Learning objectives:

- > Understand how Johnson's criteria are used to determine detection, identification and recognition of targets
- > Factor environmental conditions into the detection range of Axis thermal cameras
- > Augment an existing video surveillance system with Axis thermal cameras



Sales and business development



System design



Installation and configuration



Certification

Network Video IT Integrator

Course description:

This course describes Axis' business model and route to market, as well as products and features uniquely developed by Axis to address the growing demand in the industry.

Length: 4 hours

Prerequisites: IT industry background

Learning objectives:

- > Leverage the network video market and existing business opportunities
- > Identify the resources and support available

Selling Network Video

Course description:

This introductory course gives students information on ways to fine tune the sales process.

Length: 2-3 hours

Prerequisites: Network video industry background

Learning objectives:

- > Identify obstacles selling network video
- > Understand Axis' business model
- > Leverage product lifecycles for long-term end customer relationships

Time to Switch to Network Video

Course description:

The course gives the students an insight into network video and how it gradually replaces analog CCTV.

Length: 2-3 hours

Prerequisites: CCTV industry background

Learning objectives:

- > Compare the two technologies to see how network video can replace analog CCTV
- > Network video functionality and additional features
- > Your migration to network video

Utilizing Video Encoders

Course description:

This course will describe how Axis video encoders are the ideal way to expand an analog system's surveillance capabilities. Axis video encoders leverage existing investments by enabling a mix of analog and network cameras.

Length: 3 hours

Prerequisites: Video surveillance or physical security or IT industry background

Learning objectives:

- > Extend the lifespan of legacy analog equipment with Axis video encoders
- > Create a clear migration path from analog to IP using Axis video encoders

Are we missing something?

Customized trainings

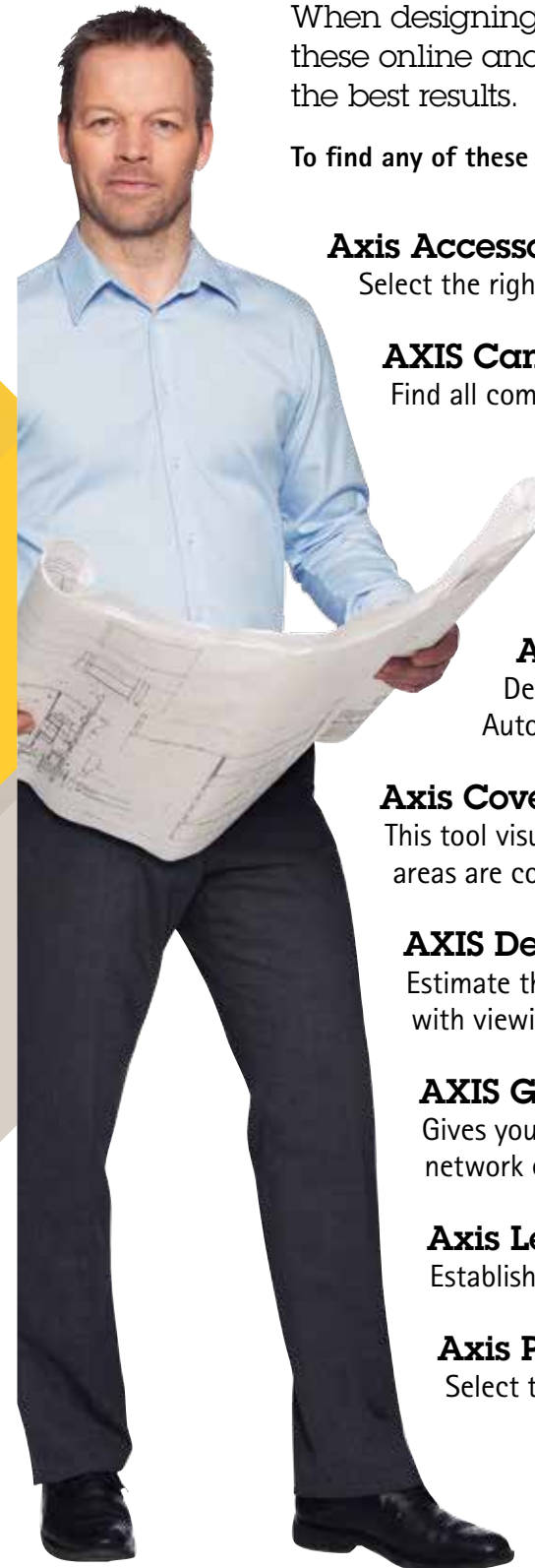
Axis offers a variety of popular seminar topics, which are outlined in the "Academy educational offerings" section of this catalog. However, we recognize that every company faces different challenges when it comes to education. That's why Axis has a team of sales and technical trainers here to listen, understand, and educate your team with your specific goals in mind. If you don't find what you're looking for among the standard course offerings, partners can request customized classroom-based seminars or webinars.

To request a customized training, please contact your regional sales representative or call our Inside Sales team for more information at 800-444-2947 option 3.



Design for success with Axis tools

Axis system design tools



When designing and specifying a surveillance system with Axis cameras, these online and app-based system design tools save you time and ensure the best results.

To find any of these design tools, please visit www.axis.com/tools/

Axis Accessory Selector

Select the right housing, brackets and power supplies for the cameras in your projects

AXIS Camera Companion Buyers Tool

Find all components for a small surveillance system

Axis Camera Extension for the SketchUp® 3D CAD software

Place 3D CAD Axis camera models with interactive functionality to visualize the camera's coverage in your SketchUp models

Axis Camera Families for Autodesk® Revit®

Design a surveillance system based on Axis cameras directly in your Autodesk® Revit® 3D CAD building layouts

Axis Coverage Shapes for Microsoft® Visio®

This tool visualizes camera coverage in a layout drawing to ensure all critical areas are covered (exclusive for Axis' partners)

AXIS Design Tool

Estimate the storage and network bandwidth your system needs and experiment with viewing, recording and compression options for each camera

AXIS Guide App


Gives you an overview of the features and specifications for Axis' entire range of network cameras and video encoders


Axis Lens Calculator


Establish distances, scene sizes and required focal lengths for different scenarios

Axis Product Selector

Select the right camera or video encoder for your projects

 Sales and business development

 Installation and configuration

 System design

 Certification

Meet your Academy team

Who we are

Get started



“Professional development is all about more: more knowledge, more practice, more expertise. The Academy not only offers you more, but it also offers the best. Through our diverse course offerings, online tools and Axis Certification Program, you have the opportunity to become the best and stay ahead in a competitive, fast-paced industry. With the right knowledge and tools, you can offer customers the best system designs, installations and technologies, which ultimately lead to more sales and more growth. Earn credits from industry associations, including BICSI and ESA/NTS, or take it a step further with individual Axis Certification, which offers third-party validation for IP video expertise. Get started on the next step in your career today.”

James Marcella, Director of Technical Services

James Marcella is the director of technical services for Axis Communications in North America. In this role, he oversees technical support, educational services and information technology for North American operations. He joined Axis in 1997 and has been in the security and IT industries for more than 18 years.

Your success



"Our commitment to educating the industry and providing relevant trainings and tools is evident throughout this catalog. With more than 10 courses in 88 cities currently offered and more to come, the Axis training team is dedicated to developing and providing practical and hands-on education on topics from successful selling tips, to proper camera placement, to advanced troubleshooting techniques. Use this catalog as a reference for the many educational offerings from Axis and as a tool to help identify areas in which you'd like a quick refresh or to learn more about. Axis' trainers (meet them on the following page) are another resource to ask questions and provide customized support. From time and location to education level to area of focus, the Academy has the right education to help with your success."

Randy Salminen, Educational Services Manager

Randy Salminen is the educational services manager for Axis Communications in North America. He is responsible for all training efforts including Axis Communications' Academy. Randy joined Axis in 2008 and has over 20 years of experience in IT and physical security.

Meet the trainers

Whether you're new to the industry or a seasoned veteran, Axis has a dedicated team of trainers available to answer questions, tailor our educational offering to meet your needs and help you better serve your customers.



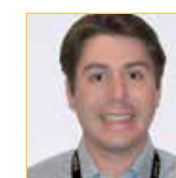
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David Treacy
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Checklists

Track your progress

Checklist: Sales and business development

Use this checklist to help keep track of your educational achievements. To make planning your curriculum easier, the courses are categorized by experience level with space to note the date you have completed the training.

Baseline

- _____ Axis naming convention (online)
- _____ Axis product types (online)
- _____ Axis Communications' product overview (webinar)
- _____ Introduction to imaging (web article)
- _____ Introduction to networking (online)
- _____ Physical Access Control 101 Et 201 (webinar)
- _____ Prepare your network video surveillance system (web article)
- _____ Technical guide to network video (web article)

First step

- _____ Beginner networking series (webinar)
- _____ Latest and greatest product series (webinar)
- _____ Ten reasons to switch to IP video (web article)

Second step – deeper understanding

- _____ Analytics for a smarter, safer world (webinar)
- _____ Intermediate networking series (webinar)
- _____ Network Video Fundamentals (classroom)

Third step – specialize

- _____ Sales essentials (classroom)
- _____ Sales and support programs (webinar)

System design tools

- _____ Axis Accessory Selector
- _____ AXIS Camera Companion Buyers Tool
- _____ AXIS Guide App
- _____ Axis Product Selector

Ready for more?

Jump into another track to increase your knowledge, or be on the path to becoming an Axis Certified Professional. Keep an eye out for new and updated offerings on the latest innovations.

Checklist: System design

Use this checklist to help keep track of your educational achievements. To make planning your curriculum easier, the courses are categorized by experience level with space to note the date you have completed the training.

Baseline

- _____ Axis naming convention (online)
- _____ Axis product types (online)
- _____ Axis Communications' product overview (webinar)
- _____ Beginner networking series (webinar)
- _____ 60 seconds: Multicasting (video)
- _____ Introduction to imaging (web article)
- _____ Introduction to networking (online)
- _____ Physical Access Control 101 & 201 (webinar)
- _____ Prepare your network video surveillance system (web article)
- _____ Technical guide to network video (web article)

First step

- _____ Intermediate networking series (webinar)
- _____ Latest and greatest product series (webinar)
- _____ Network Video Fundamentals (classroom)

Second step – deeper understanding

- _____ Applied image quality (online)
- _____ AXIS T8414 Installation Display (online)
- _____ Fiber optics with Axis products (online)
- _____ Identification and recognition (web article)
- _____ Image quality (web article)
- _____ Lights, Camera, Action! (online)
- _____ Low light solutions (web article)
- _____ Perfect pixel count (web article)
- _____ Site survey considerations (web article)
- _____ Sound in surveillance (web article)
- _____ The Zoom Factor (video)
- _____ Troubleshooting Axis cameras (web article)
- _____ Visual light studio (educational app)
- _____ Wide Dynamic Range (web article)

Third step – specialize

- _____ Analytics for a smarter, safer world (webinar)
- _____ AXIS Camera Station (classroom)
- _____ Designing Network Video Solutions (classroom)
- _____ Entry Management System training (classroom)
- _____ Video Encoder Technologies (classroom)

System design tools

- _____ Axis Accessory Selector
- _____ Axis Camera Extension for the SketchUp® 3D CAD software
- _____ Axis Camera Families for Autodesk® Revit® (video tutorial)
- _____ Axis Coverage Shapes for Microsoft® Visio®
- _____ Axis Coverage Shapes (video tutorial)
- _____ AXIS Design Tool
- _____ AXIS Design Tool (video tutorial)
- _____ AXIS Guide App
- _____ Axis Lens Calculator
- _____ Axis Product Selector

Ready for more?

Jump into another track to increase your knowledge, or be on the path to becoming an Axis Certified Professional. Keep an eye out for new and updated offerings on the latest innovations.

Checklist: Installation and configuration

Use this checklist to help keep track of your educational achievements. To make planning your curriculum easier, the courses are categorized by experience level with space to note the date you have completed the training.

Baseline

- _____ Axis naming convention (online)
- _____ Axis product types (online)
- _____ Axis Communications' product overview (webinar)
- _____ Beginner networking series (webinar)
- _____ 60 seconds: Multicasting (video)
- _____ Introduction to imaging (web article)
- _____ Introduction to networking (online)
- _____ Physical Access Control 101 & 201 (webinar)
- _____ Prepare your network video surveillance system (web article)
- _____ Technical guide to network video (web article)

First step

- _____ Intermediate networking series (webinar)
- _____ Network Video Fundamentals (classroom)

Second step – deeper understanding

- _____ Analytics for a smarter, safer world (webinar)
- _____ AXIS T8414 Installation Display (online)
- _____ Fiber optics with Axis products (online)
- _____ Power surges (web article)
- _____ Top ten installation challenges (web article)
- _____ Troubleshooting Axis cameras (web article)

Third step – specialize

- _____ Entry Management System training (classroom)
- _____ Monthly installation tip series (webinar)
- _____ Product Installation and Configuration (classroom)

System design tools

- _____ Axis Lens Calculator

Ready for more?

Jump into another track to increase your knowledge, or be on the path to becoming an Axis Certified Professional. Keep an eye out for new and updated offerings on the latest innovations.

About Axis Communications

Axis offers intelligent security solutions that enable a smarter, safer world. As the global market leader in network video, Axis is driving the industry by continually launching innovative network products based on an open platform – delivering high value to its customers and carried through a global partner network. Axis has long-term relationships with partners and provides them with knowledge and ground-breaking network products in existing and new markets.

Axis has more than 1,600 dedicated employees in more than 40 countries around the world, supported by a network of over 65,000 partners across 179 countries. Founded in 1984, Axis is a Sweden-based company listed on NASDAQ OMX Stockholm under the ticker AXIS.

For more information about Axis, please visit our website www.axis.com



Your learning is never complete!

Get access to the latest catalog at
www.axis.com/academy/us/course-catalog.htm