

Axis Exam Preparation Guide

Axis Certification Program

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1. Introduction

This guide helps you to prepare for Axis Network Video Exam. It includes the following topics:

- > What is Axis Certification Program?
- > Exam details
- > Recommended exam preparation

2. What is Axis Certification Program?

The purpose of Axis Certification Program is to help individuals and companies prove their competence and skills in network video surveillance.

Who should take Axis Network Video Exam?

The certification is open to anyone looking to show their competence and skills in network video. The exam has been developed specifically for system designers and professionals in technical sales roles.

For how long is the certification valid?

The certification is valid for 36 months. Through regular recertification, you can extend it by 36 months at a time.

What are the benefits of being an Axis Certified Professional?

- > Axis Network Video Exam is a comprehensive knowledge indicator of the latest network video technologies, solutions, and best practices.
- > Axis Certified Professionals are highly regarded by their peers and colleagues for their competence. They are recognized by system architects and consultants who are specifying Axis Certified Professionals in large projects.
- > Axis certification is a unique differentiator for customers when selecting their video surveillance integrator.
- > Upon certification, you receive:
 - Axis Certified Professional certificate
 - Axis Certified Professional logo
 - Axis Certified Professional membership card

Having Axis Certified Professionals on staff is a requirement to become an Axis Solution Partner.

Read more here: www.axis.com/partners/channel-partner-program

3. Exam details

Axis Network Video Exam is an advanced computer-based test offered at Pearson VUE test centers and online via OnVUE at the price of \$150 USD.

Axis Network Video Exam is available in selected countries at test center, but globally online via OnVUE. For more information visit www.axis.com/learning/certification-program

To find the closest Pearson VUE test center or to register for online testing, please visit www.pearsonvue.com/axis

Practical information

How do I schedule an Axis Network Video Exam at a test center?

There are three options for scheduling a test appointment at a test center.

- > Online at www.pearsonvue.com/axis
- > On-site at your local test center
- > Contact Pearson VUE customer service

How do I schedule an online Axis Network Video Exam?

- > Online at www.pearsonvue.com/axis

What information should I be prepared to provide when I schedule my exam?

When you schedule your appointment, you should be prepared to provide the following information. The personal information you state will be used for creating your certification membership card and certificate.

- > The name used to schedule your appointment must exactly match the name shown on your identification on the day of your exam. At a minimum, the identification must be a valid, government-issued ID that shows your name in the English alphabet, your signature, and a photo of you
- > Your Pearson VUE candidate ID, if you have one
- > Phone numbers - If there is a problem, we will use these numbers to reach you
- > Mailing address - Provide the address to which you would like your membership mailed
- > Exam code - ANVE
- > Email address - Correct email information is required for registration
- > Method of payment (www.pearsonvue.com/axis)

What identification is required on-site at the test center?

For Axis Network Video Exam in the test center you must have two valid forms of ID, one with a photo and both with your signature. Forms of primary ID must be original, non-expired (valid), photo-bearing, signature-bearing, and government-issued.

Please visit www.pearsonvue.com/axis for more details.

What identification is required online with OnVUE?

For Axis Network Video Exam online, you must have one ID, with a photo and your signature. It must be original, non-expired (valid), photo-bearing, signature-bearing, and government-issued.

Can I reschedule or cancel my appointment?

For the test center appointment, you can cancel or reschedule your test appointment through the Pearson VUE website until 48 hours before your appointment. For the online test you can cancel or reschedule up until one hour before your appointment. If you do not cancel or if you arrive late, you will have to forfeit the test fee. This includes all types of payment such as credit card, voucher, and cash.

Axis Network Video Exam details

- > Exam title: Axis Network Video Exam
- > Number of test questions: 70 exam questions
- > Test duration: 90 minutes (maximum)
- > The exam timer does not start until you view the first exam question
- > Certification: Axis Certified Professional
- > You may not access any resources or references during the exam
- > You will be required to show identification before taking the test

Question types on the test

- > Multiple choice
 - Single answer
 - Multiple answer
 - Drag-and-drop

What is a score report?

After you have finished the exam, you can sign into the Pearson VUE website and view your score. The score report includes information about whether you have passed or failed the exam and an indication of your performance per knowledge area. There will be no detailed information about passed or failed questions.

Calculation of the exam score

The passing score for Axis Network Video Exam is 600 points out of 800. The score is scaled, starting at 200 points. The score per question depends on importance and difficulty level. If you fail one of the alternatives, or do not answer all, you will get 0 points. No points are deducted for incorrect answers or unanswered questions.

4. Recommended exam preparation

Prepare

In order to pass the test, it is important that you are well prepared. Axis Communications Academy offers a broad learning portfolio, including everything you need to know to pass Axis Network Video Exam. We also recommend hands-on experience with the technology. The exam is based on knowledge in the five areas presented in "Exam outline" on page 9. Weight specifies the importance and frequency of questions from each knowledge area in the exam.

To make it easier for you to prepare, we have listed all relevant trainings and resources related to the knowledge areas for the certification program below.

Network Video Technologies

Network video technology encompasses standards and technologies that apply to the industry in general. Camera elements, including lens types, is a typical topic. Various video compression formats are compared – what is the idea behind them, and what are the benefits of each format?

Intelligent video applications, such as motion detection - what are their purpose, and in which scenarios should they be used?

- > Camera elements
- > Video compression formats
- > Intelligent video applications

Recommended study resources:

Technical guide to network video

Chapter 1 - Network video: overview, benefits and applications

Chapter 2 - Network cameras

Chapter 3 - Camera elements

Chapter 6 - Resolutions

Chapter 7 - Video compression

Chapter 8 - Audio

Online courses

- > Applied image quality
- > Lights, Camera, Action!
- > Video encoding solutions

Web articles

- > Image quality
- > Introduction to imaging
- > Thermal imaging
- > Video analytics

Videos

- > Frame rate vs. Shutter speed
- > Image noise
- > Thermal imaging

Educational apps

- > Virtual Light Studio
- > Frame rate vs. Shutter speed

Networking

Network video systems rely on various devices and software configurations in order to get video from source to destination. Networking tests your knowledge on each device's task – when is a router needed, or do I need a switch instead?

Security aspects – which measures can be taken to block unauthorized users from the network? What is the best network routing scheme to use in a surveillance installation, and why?

- > Network components
- > Security aspects
- > Routing schemes

Recommended study resources:

Technical guide to network video

- > Chapter 9 – Network technologies
- > Chapter 10 – Wireless technologies

Online courses

- > Fiber optics with Axis products
- > Introduction to networking

Videos

- > Multicasting

Installation

The Installation questions reflect a general understanding of basic installation considerations during the system design process. This includes, for example, software usage, hardware installation, focusing techniques and maintenance.

When a problem occurs which basic troubleshooting actions should an installer take?

- > Installation standards
- > Focusing techniques and maintenance
- > Basic troubleshooting

Recommended study resources:

Videos

- > The Focus Assistant

Web articles

- > Power surges
- > Top ten installation challenges
- > Troubleshooting Axis cameras

System Design

System design takes into account all that must be considered in order to fully design a network video surveillance solution. Which cameras and/or encoders are needed, and which accessories? For the intended scene, what is the best camera placement? Which Axis System Design tools can be utilized, and how do you use them?

- > **Site survey considerations**
- > **Design calculations**
- > **Axis system design tools**

Recommended study resources:

- > Technical guide to network video
- > Chapter 11 - Video management systems
- > Chapter 12 - Bandwidth and storage considerations

Axis System Design Tools

- > Accessory Selector
- > Axis Coverage Shapes for Microsoft® Visio®
- > AXIS Design Tool
- > Axis Lens Calculator
- > Axis Product Selector

Web articles

- > Identification and recognition
- > Low light solutions
- > Prepare your network video system
- > Perfect pixel count
- > Site survey considerations
- > Sound in surveillance
- > Lenses for network video cameras

Videos, showing the tools

- > Axis Coverage Shapes for Microsoft® Visio® tutorial
- > AXIS Design Tool tutorial

Axis Product Knowledge

Axis product knowledge questions are designed to test your overall knowledge of the Axis product portfolio. This includes an understanding of the Axis naming convention – what information can you get from a product's name?

Product types, features and capabilities, and the accessories available are also covered.

- > **Axis naming convention**
- > **The capabilities of Axis products**
- > **Accessories**

Recommended study resources:

- > www.axis.com/products-and-solutions

Online courses

- > Axis network camera naming convention
- > Axis network camera product types

Web articles

- > Wide Dynamic Range (WDR)
- > Reducing the bitrate with Axis Zipstream

Videos

- > Wide Dynamic Range
- > Zipstream
- > Zipstream for PTZ

5. Exam outline

Knowledge area	Examples	Weight
Network video technology	Photographic knowledge	15%
	Industry standards	
	Compression algorithms	
	Lens technology	
	Intelligent video	
Networking	Basic networking	15%
	Network security	
	Transmission methods	
System design	System design considerations	30%
	Camera placement	
	Bandwidth and storage influencers	
	Axis system design tools	
Axis product knowledge	Axis naming convention	30%
	Axis product line	
	Axis camera capabilities	
	Axis software solutions	
	Solutions by industry	
Installation	Hardware installation	10%
	Software installation	
	Focusing techniques	
	Maintenance	

6. FAQ

Purpose and benefits

Q: What is the purpose of the Axis Certification Program?

A: The purpose of the Axis Certification Program is to help individuals and companies prove their competence and skills in network video surveillance.

Q: Who should take the Certification exam?

A: The certification is open to anyone looking to show their skills and expertise in network video surveillance. The exam has been developed specifically for system designers and professionals in technical sales roles.

Q: What are the benefits of being an Axis Certified Professional?

A: The Axis Certification Program helps validate advanced levels of knowledge. To become certified, individuals will need to be well-versed in the latest network video technologies, solutions, products and best-practice techniques.

Axis Certification is a requirement for Axis Solution Partners. Read more here:

www.axis.com/partners/channel-partner-program

The benefits for individuals and employers include:

- > The Axis Network Video Exam serves as a comprehensive knowledge indicator of the latest network video technologies, solutions, and best-practice design and implementation techniques.
- > Axis Certified Professionals are highly regarded by their peers and colleagues for their competence. They are recognized by system architects and consultants who are specifying Axis Certified Professionals in large projects.
- > Axis certification is a unique differentiator for end customers when selecting their video surveillance integrator.
- > Upon certification, individuals receive an:
 - Axis Certified Professional certificate
 - Axis Certified Professional membership card
 - Axis Certified Professional logo

Becoming an Axis Certified Professional

Q: Where can I find general information regarding certification requirements and test information?

A: Please visit www.axis.com/learning/certification-program/become-certified to learn more about the Axis Certification Program.

Q: How should I prepare?

A: In order to pass the Network Video Exam it is important that you are well prepared. Axis Communications Academy's broad offering includes everything you need to know to pass the Axis Network Video Exam, and more.

To make it easier for you to prepare, we have listed all relevant trainings and resources for the certification program in a certification learning track available on www.axis.com/learning/certification/get-prepared.

Q: At what locations are the exams offered?

A: To ensure high-quality testing is available in your local area, Axis is partnering with Pearson VUE, the recognized global leader in technology-enabled testing and assessment services.

There is also an alternative to take the test online, if you meet the technical and physical environmental requirements, read more at www.pearsonvue.com/axis.

Axis certification exam is available in selected countries. Visit www.pearsonvue.com/axis to find a location near you.

Q: How much is the exam fee?

A: To take the certification test the fee is \$ 150 USD.

Q: How do I register to take the Axis Network Video Exam?

A: First, choose when and where to take the exam: the Axis Network Video Exam is available via a broad network of testing centers or online. Next, there are three options for scheduling an appointment:

- > Online at www.pearsonvue.com/axis
- > On-site at your local test center
- > Contact Pearson VUE customer service

Q: What information should I be prepared to provide when I schedule my appointment?

A: When you schedule your appointment, you should be prepared to provide any of the following information. The personal information you state will be used for creating your certification membership card and diploma.

- > The name used to schedule your appointment must exactly match the name shown on your identification at the testing center on the day of your exam. At a minimum, the identification must be a valid, government-issued ID that shows your name in the English alphabet, your signature and your photograph.
- > Contact phone numbers - If there is a problem, we will use these numbers to reach you
- > Mailing address - Please provide the address to which you would like your certification package mailed
- > Exam number and title - (Axis Network Video Exam, ANVE-001)
- > Company name - correct company information is required
- > Email address - Correct email information is required for registration
 - If you are a partner - State your Partner Pages login (email address)
 - If you are not a partner - Register to MyAxis www.axis.com/partners/channel-partner-program/become-an-axis-channel-partner and schedule your testing appointment using your MyAxis login (email address)
 - Axis abides by anti-spam laws
- > Method of payment: www.pearsonvue.com/axis

Q: What identification is required on-site at the testing center?

A: For the Axis Network Video Exam at the test center, you must have two valid forms of ID, one with a photo and both with your signature. Forms of primary ID must be original, non-expired (valid), photo-bearing, signature-bearing, and government-issued. Please visit www.pearsonvue.com/axis for more details.

Q: What identification is required for the online test?

For the Axis Network Video Exam online you must have one ID, with a photo and your signature. It must be original, non-expired (valid), photo-bearing, signature-bearing, and government-issued.

Q: Where do I find detailed information about exam scheduling, cancellation and test center regulations?

A: Pearson VUE provides you with candidate service via the web or full service call centers. All information you need to plan your exam appointment is available on their website: www.pearsonvue.com/axis

Q: Can I reschedule or cancel my appointment?

A: Your appointment at the test center can be cancelled and/or rescheduled through the Pearson VUE website 48 hours before testing. For the online it is 1 hour before the testing. Failure to cancel, or late arrival, will result in forfeit of payment; including credit card, voucher, and cash payment.

Q: How do I file a Special Accommodation Request?

A: If you cannot take Axis Network Video Exam using standard testing equipment or within the standard exam duration, Axis is committed to making all reasonable efforts to accommodate you. Please contact Pearson VUE well in advance of your test date to arrange for special accommodations.

Additional information about special accommodations can be found on Pearson VUE's homepage: www.pearsonvue.com/axis

Q: Does Axis offer any test preparation training?

A: In order to pass the Network Video Exam it is important that you are well prepared. Axis Communications Academy's broad offering includes everything you need to know to pass the Axis Network Video Exam, and more.

To make it easier for you to prepare, we have listed all relevant trainings and resources for the certification program in a certification learning track on www.axis.com/learning/certification/get-prepared.

Q: Which question types are on the test?

A: Multiple choice: single answer, multiple answer, drag-and-drop

Q: What is the test duration?

A: Standard testing time is set at a maximum of 90 minutes. The exam timer does not start until you view the first exam question.

Q: What is the Score Report?

A: You will get a printed version of your score report at the test center, after you have finished the exam. The score report includes information about whether you have passed or failed the exam and an indication of your performance per knowledge area. There will be no detailed information about passed and/or failed questions.

Q: How is the Exam score calculated?

A: The passing score for Axis Network Video Exam is 600 points out of 800, and a scaled score is used, starting at 200 points. The score per question depends on importance and difficulty level. If you fail one of the alternatives, or do not answer all, you will get 0 points. No points are deducted for incorrect questions, or if you do not answer a question.

After the Exam

Q: What happens if I lose my certification membership card?

A: Axis does not provide new copies of lost membership cards. If you have any questions, [contact us](#).

Q: What do I do if I fail the test?

A: If you do not pass the exam, you may retake it a minimum of fourteen days after the first attempt. If you are unsuccessful on a second attempt, you must wait a minimum of one month from the date of the second attempt to retake the Axis Network Video Exam again.

At retesting, you must pay another fee for the performance of the exam. Once you have passed the exam, you cannot retake the same exam, unless the exam objectives change. Your certification is valid for 36 months.

Q: What are the recertification policies?

A: An essential component to any certification program is its recertification requirements. Recertification demonstrates the Axis Certified Professional's commitment to remaining up to date on emerging technologies and the changes taking place in the security industry. Axis requires that certified professionals recertify their credential every 36 months.

Q: How quickly can I expect to receive my Certification membership card?

A: Your certification package will be automatically generated once we determine you have passed the exam. Please allow 6 weeks processing time for the arrival of your certification package. For questions or concerns, please email certification@axis.com

Q: How do I receive the electronic Axis Certified Professional logo?

A: If your email was provided at registration, your electronic logo will be sent to you in a confirmation email from Axis after test appointment. For questions or concerns about receiving your logo, please email certification@axis.com.

Q: What should I do to receive my certificate?

A: In an effort to reduce our impact on the environment, Axis has opted to send only electronic copies of certificates. If your email was provided at registration, your electronic certificate will automatically be sent to your registration email address. For questions or concerns about receiving your certificate, please email certification@axis.com

Q: For how long is my certification valid?

A: 36 months

About Axis Communications

Axis enables a smarter and safer world by creating network solutions that provide insights for improving security and new ways of doing business. As the industry leader in network video, Axis offers products and services for video surveillance and analytics, access control, and audio systems. Axis has more than 3,500 dedicated employees in over 50 countries and collaborates with partners worldwide to deliver customer solutions. Axis was founded in 1984 and has its headquarters in Lund, Sweden.

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