

Axis

Exam Questions AX0-100

Axis Network Video Exam



NEW QUESTION 1

Which technology can a Video Management Software (VMS) partner incorporate to reduce the impact on recorded video during server maintenance?

- A. Local storage at the camera
- B. Meta data stream
- C. AXIS Camera Application Platform (ACAP)
- D. SNMP

Answer: A

NEW QUESTION 2

Which statement is true regarding H.264 and Motion JPEG?

- A. The highest bandwidth savings using H.264 compared to Motion JPEG is at high frame rates
- B. Bandwidth savings using H.264 has nothing to do with frame rate, only scene complexity
- C. Bandwidth savings using H.264 has nothing to do with frame rate, only Group of Video (GOV) setting
- D. The highest bandwidth savings using H.264 compared to Motion JPEG is at low frame rates

Answer: A

NEW QUESTION 3

Which of the following conditions has to be met to use multicast streaming?

- A. The network infrastructure has to support multicast
- B. The client has to run AXIS Camera Management or AXIS Camera Station
- C. The client has to support streaming over RTSP
- D. The video device needs to run on firmware version 5.20 or higher

Answer: A

NEW QUESTION 4

An analog system that should be upgraded to IP using encoders must have the end of the analog signal terminated. How many Ohm (Ω) should that be?

- A. 50
- B. 70
- C. 75
- D. 80

Answer: C

NEW QUESTION 5

Increase of bandwidth and storage can be a result of (Choose two)

- A. Changing from Motion JPEG to H.264.
- B. Arctic Temperature Control.
- C. High noise level.
- D. The use of High PoE.
- E. Image resolution.

Answer: CE

NEW QUESTION 6

A customer is not getting the storage retention they had expected while using H.264 with an AXIS Q6034-E PTZ camera on a continuous guard tour. What is the most likely cause of the problem?

- A. The estimation was only planned for a 720p HDTV PTZ
- B. Using continuous guard tour does not let H.264 save as much on the compression
- C. Because most of the areas in the guard tour are empty
- D. H.264 cannot save as much on the compression
- E. The estimations were done in MPEG-4 and they should change the AXIS Q6034-E to run in MPEG-4 instead of H.264

Answer: B

NEW QUESTION 7

Image flickering is caused by

- A. IR light
- B. White light
- C. Lack of light
- D. Fluorescent light

Answer: D

NEW QUESTION 8

Which security features are provided through a managed switch?

- A. IEEE 802.1 X port-based authentication and HTTPS encryption
- B. IP subnets and VLANs
- C. HTTPS encryption and IP subnets
- D. IEEE 802.1 X port-based authentication and VLANs

Answer: D

NEW QUESTION 9

What is one of the main purposes of using AXIS Camera Application Platform?

- A. Loading of applications directly to the SD/SDHC card on the camera
- B. Loading a Video Management Software (VMS) to be run directly on the camera
- C. Loading of applications to be run directly on the camera
- D. Loading of VAPIX® applications directly on the camera

Answer: C

NEW QUESTION 10

How can existing coaxial cable be leveraged when installing network cameras?

- A. They can be used but are normally in bad shape, making them futile to use
- B. They are excellent for power transmission
- C. By using a media converter
- D. Coax cannot be leveraged for network cameras

Answer: C

NEW QUESTION 10

A Day & Night camera automatically removes the IR-cut filter for low light operations. In that mode, the camera becomes sensitive to IR light. Which wavelength is the camera most sensitive to?

- A. 850 nm
- B. 950 nm
- C. 1140 nm
- D. 1350 nm

Answer: A

NEW QUESTION 15

A convenience store needs a camera to cover the entrance. Identification is needed at 80 pixels per face. Given that the scene is 2 m (6 ft 7 in) wide, which of these resolutions is the minimum one needed?

- A. 640X480
- B. 800 X 600
- C. 1280 X 720
- D. 1920 X 1080

Answer: C

NEW QUESTION 17

Audio detection can be used

- A. Only with cameras with built in microphone.
- B. In all Axis cameras but an extra intelligent video (IV) module is necessary.
- C. Only in quiet areas.
- D. For detecting a change in decibel levels.

Answer: D

NEW QUESTION 22

Increased noise levels in a scene will increase the

- A. Light sensitivity.
- B. Contrast level.
- C. Bandwidth usage.
- D. Brightness level.

Answer: C

NEW QUESTION 26

IP51 and IP52 means that the camera

- A. Can be placed in or outdoors.
- B. Is resistant to dust and dripping water.
- C. Is vandal resistant.
- D. Is designed for tough environments.

Answer: B

NEW QUESTION 29

While setting up an AXIS Q7404 Video Encoder for control of an analog PTZ using Pelco D protocol, you run into a problem. After uploading of the proper Pelco drivers into the AXIS Q7404 Video Encoder you find that channel 1 is controlling the wrong analog PTZ. Which option below would you adjust to fix this problem so you can avoid changing physical cables?

- A. IP address
- B. Device ID
- C. Baud rate
- D. Device type

Answer: B

NEW QUESTION 34

Video motion detection (VMD) in a PTZ camera

- A. Is not possible since the camera will activate the VMD every time it is moving.
- B. Can be used but only when the camera is used as a stationary camera.
- C. Can be used since the camera is aborting the VMD during movement.
- D. Is no different compared to a fix camera, since the Axis chip can detect in three dimensions.

Answer: C

NEW QUESTION 38

When dealing with a poorly lit scene, which of the following options would most improve image quality?

- A. Adding light
- B. Adjusting exposure settings
- C. Adjusting brightness
- D. Changing camera placement

Answer: A

NEW QUESTION 41

A varifocal lens

- A. Makes it possible to adjust the focal length like a zoom lens, but requires refocusing after adjusting the focal length.
- B. Allows the depth of field to be adjusted, making it possible to blur out the background for privacy protection or reducing distraction.
- C. Can rapidly change focus between a set of predefined positions, making it easy to move between different points of interest in the scene.
- D. Is a lens where the focus can be adjusted, as opposed to a fixed focus lens, making it possible to focus on objects close to the camera.

Answer: A

NEW QUESTION 43

Which conditions would lead the system designer to choose a camera with good low light performance over a thermal camera? (Choose two)

- A. The camera is going in a primarily dark area, such as a subway or parking garage
- B. The camera is going to be placed inside looking out through a window
- C. The camera is going to be placed in a parking lot for facial identification
- D. The camera is going to employ trip line detection looking down a fence line
- E. The camera is going to be placed on a roof line looking down at an empty field

Answer: BC

NEW QUESTION 48

For which purposes would a thermal network camera be a viable alternative to a standard network camera? (Choose three)

- A. Identification of a person
- B. Detection at daylight
- C. Detection at night
- D. Detection in smoke and light fog conditions
- E. License Plate Recognition

Answer: BCD

NEW QUESTION 50

When installing a camera outdoors to an existing pole, what is the most important consideration?

- A. Availability of power

- B. The material of the housing
- C. The camera has to be ruggedized
- D. Wide dynamic range

Answer: A

NEW QUESTION 51

To make use of IEEE 802.1 X when connecting a camera to the network, you need (Choose two)

- A. An Ethernet switch with support for IEEE 802.1X.
- B. A router.
- C. A RADIUS server.
- D. Category 6 or Category 5e Ethernet cabling.
- E. A server with a Gigabit Ethernet network card.

Answer: AC

NEW QUESTION 56

AXIS Design Tool is used for

- A. Estimating bandwidth and creating a bill of materials.
- B. Determining camera coverage and creating a bill of materials.
- C. Selecting the right cameras and choosing AXIS Camera Station licenses.
- D. Plan network topology and determining camera coverage.

Answer: A

NEW QUESTION 61

An installation with an AXIS P1344 experiences image flickering. How can this be remedied?

- A. Adding white light to the scene
- B. Adding IR light to the scene
- C. Changing the camera's exposure setting
- D. Changing the camera's white balance

Answer: C

NEW QUESTION 64

The purpose of DHCP is to

- A. Allocate IP addresses to devices within a network.
- B. Allocate MAC addresses to devices within a network.
- C. Translate host names such as www.axis.com to IP addresses.
- D. Translate host names such as www.axis.com to MAC addresses.

Answer: A

NEW QUESTION 69

Match each product name with the right description. Drag each gray box from the left column to the matching blue box in the right column.
Select and Place:

AXIS P3344-V	Network camera protected from dust, water and vibrations
AXIS M1031-W	Outdoor ready network camera
AXIS M3114-R	Vandal resistant network camera
AXIS Q6035-E	Wireless network camera

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

	AXIS M3114-R
	AXIS Q6035-E
	AXIS P3344-V
	AXIS M1031-W

NEW QUESTION 73

Match the product series with right product. Drag each gray box from the left column to the matching image box in the right column.
Select and Place:

AXIS P13 Series	
AXIS Q60 Series	
AXIS M10 Series	
AXIS P33 Series	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

	AXIS Q60 Series
	AXIS P33 Series
	AXIS P13 Series
	AXIS M10 Series

NEW QUESTION 78

Which statement is true for broadcast network traffic?

- A. Broadcast is designed to enable optimized video transmission, since it tolerates network dropouts
- B. Broadcast is not practical for network video transmission, since packets are transmitted to every device on the network
- C. Broadcast is a method for sending video to many recipients over the internet even though their bandwidths vary
- D. Broadcast data packet length is longer than normal Ethernet packets, to accommodate a full video frame

Answer: B

NEW QUESTION 80

An integrator receives a specification for surveillance cameras for a large project, where the requirements are impossible to live up to. Which of the key numbers below would have to change in order to find a camera to fill the demands?

- A. 60 fps
- B. 1080pHD resolution
- C. 160 dB dynamic range
- D. Face recognition at 70 m (230 ft)

Answer: C

NEW QUESTION 85

The purpose of a router is to

- A. Forward traffic within a local network.
- B. Forward traffic between different networks.
- C. Manage server connections to a local network.
- D. Establish encrypted connections between networks over the internet.

Answer: B

NEW QUESTION 86

If a camera lens is broken and you need to replace it, you should always disconnect the power and network cables because there is a risk that

- A. The sensor will attract dust.
- B. The shutter will break.
- C. The lens electronics will short circuit.
- D. The camera electronics will short circuit.

Answer: A

NEW QUESTION 87

Which of the following are common ways to protect video while using a wireless network? (Choose two)

- A. VPN
- B. WPA2
- C. IEEE 802.1x
- D. IEEE802.11N
- E. HTTPS

Answer: BE

NEW QUESTION 91

The first time an Axis camera's Live View is accessed the user is prompted to do which of the following?

- A. Configure a root password
- B. Select a resolution
- C. Enter a camera name
- D. Assign IP address

Answer: A

NEW QUESTION 94

How can using PoE to power cameras help keep them running during a power outage?

- A. PoE cameras use less cabling, allowing backup power supplies to last longer
- B. PoE cameras are centrally powered from the Ethernet switches which are backed up by uninterrupted power supply (UPS)
- C. The PoE standard requires connected devices to include backup batteries, to allow for network dropouts
- D. Since PoE cameras are centrally powered by the server, you will only need to add backup power to the server to keep the system running

Answer: B

NEW QUESTION 95

An installer is upgrading an installation with several analog PTZ cameras using Axis Q-line encoders. Which of the following options should be checked before proceeding?

- A. That the SD card is supported
- B. That H.264 compression is supported
- C. That both D1 and 4CIF resolution are supported
- D. That the PTZ driver is supported

Answer: D

NEW QUESTION 100

Which of the following statements is a recommended best practice for outdoor installations of Axis cameras?

- A. Connect cameras and end points (midspan, endspa
- B. network switch or hub) with Category 5e UTP cable
- C. Ensure that a surge suppressor is installed in front of each camera
- D. Ensure that the end points are properly grounded
- E. Connect a UPS to the network switch

Answer: C

NEW QUESTION 101

When initiating a surveillance project with a customer, which of the following should be considered first?

- A. Understand which camera models to use
- B. Understand the customer's technical knowledge
- C. Understand the customer's goals and requirements
- D. Understand the legal aspects for the installation

Answer: C

NEW QUESTION 104

The main purpose of the remote focus function is to

- A. Help the installer manually focus the camera onsite.
- B. Make the camera refocus every time it is triggered by motion.
- C. Make the camera automatically focus on objects at a set distance.
- D. Eliminates the need for an installer to manually set focus at the camera.

Answer: D

NEW QUESTION 109

Adding network surveillance cameras to an existing Ethernet network

- A. Is not recommended, since bandwidth demands from the surveillance video would likely congest the network.
- B. Will benefit from using VLANs, to keep the surveillance video separate from other network traffic, reducing the risk for network congestion.
- C. Will cause unacceptable video latency, due to the amount of UDP traffic taking precedence on the network.
- D. Will benefit from establishing VPN connections to the cameras, reducing the risk of malicious users eavesdropping on the video.

Answer: B

NEW QUESTION 112

Which of the following general statements about illumination needs of PTZ cameras is true?

- A. PTZ should not be used with IR light
- B. The f-stop value of a lens will get higher if you zoom in
- C. PTZ cameras in general tend to have lower f-stop value compared to fixed cameras
- D. PTZ cameras should not be used with mixed IR and white light

Answer: B

NEW QUESTION 113

IEEE 802.1 X is a security feature that

- A. Applies end-to-end encryption between the camera and the server over the internet, ensuring that other users on the network cannot eavesdrop on the surveillance video.
- B. Only gives approved devices access to the network, making it impossible to disconnect a camera and connect other equipment to eavesdrop on the network.
- C. Disables port forwarding, making it impossible for users outside the local network to get access to the surveillance video.
- D. Uses a cryptographic signature to ensure the integrity of the address tables used by the router, making it impossible for malicious users to redirect the surveillance video to unauthorized recipients.

Answer: B

NEW QUESTION 115

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