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**Vendor:** Axis

**Exam Code:** AX0-100

**Exam Name:** Axis Network Video Exam

**Version:** Demo

## DEMO

### QUESTION 1

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

**Correct Answer:** A

### QUESTION 2

In a switched network with Unicast

- A. Data packets are sent only to one recipient no other computers will receive the data.
- B. Data packets can only be sent in one direction, for example from the camera to the server.
- C. Only one camera at a time can send data packets through the network, to avoid congestion.
- D. All data packets are transmitted in a unified size, enabling network optimization.

**Correct Answer:** A

### QUESTION 3

Working with a retailer on a site survey, they ask if there's any way to get more of the aisle and less of the shelves on the short sides in the shot. An AXIS M3204 camera is being used. Which would be the best suggestion to the retailer?

- A. Adjusting the varifocal lens from 2.8 mm to 10 mm
- B. Adjusting the varifocal lens from 2.8 mm to 4 mm
- C. Using Axis' Corridor Format
- D. Switching the camera to a 16:9 view

**Correct Answer:** C

### QUESTION 4

After an installer sets up a motion detection window they then zoom out the camera. How will this affect the camera's ability to detect motion if no settings are changed?

- A. More pixels are needed to change to trigger motion detection
- B. Less pixels are needed to change to trigger motion detection
- C. More movement needed to change to trigger motion detection
- D. Less movement needed to change to trigger motion detection

**Correct Answer:** C

### QUESTION 5

What is the benefit of deinterlacing the video in a video encoder?

- A. It gives the encoded video a higher frame rate compared to the analog input video
- B. It reduces the tearing effects when there is movement between two fields in one frame
- C. It enhances the dynamic range between two fields in one frame
- D. It decreases the bandwidth needed to transmit the compressed video

**Correct Answer:** B

### QUESTION 6

A camera is positioned where backlighting is a problem. What would be the preferred action?



- A. Use a lens with a polarized filter
- B. Axis P-iris technology will solve your problem
- C. Increase the shutter speed to more than 1 /100 s
- D. Add additional light sources to counter backlighting

**Correct Answer:** D

#### **QUESTION 7**

What are the effects of changing the capture mode on an AXIS P1346 from 2048x1536 (3 MP) to 1920x1080 (HDTV)? (Choose two)

- A. Minimum illumination decreases
- B. Vertical angle of view decreases
- C. Maximum frame rate decreases
- D. Maximum frame rate increases
- E. Motion blur increases

**Correct Answer:** BD

#### **QUESTION 8**

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.

**Correct Answer:** D

#### **QUESTION 9**

Using AXIS Camera Management, which of the following can be performed? (Choose two)

- A. Apply templates to devices
- B. View recorded video
- C. Upgrade firmware
- D. Set motion detection windows
- E. Configure crossline detection

**Correct Answer:** AC

**QUESTION 10**

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)

**Correct Answer:** C

**QUESTION 11**

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.

**Correct Answer:** B

**QUESTION 12**

An installer needs a camera to monitor a hallway in an office complex. The hallway is 2.5 m (8 ft 2 in) wide. The customer wants to be able to identify people (80 pixels per face). What is the minimum resolution needed to meet this requirement?

- A. 1024x768
- B. 1280x720
- C. 1920x1024
- D. 800 x 600

**Correct Answer:** B

**QUESTION 13**

Which feature in Axis cameras allows for a fixed box style camera to tell a PTZ camera to move to a preset?

- A. HTTP server
- B. QoS
- C. FTP server
- D. TCP/IP

**Correct Answer:** A

**QUESTION 14**

When using Axis' Corridor Format

- A. The depth of field is automatically adjusted to keep the entire length of a corridor in focus.

- B. The image is rotated 90 degrees, changing the aspect ratio to 9:16.
- C. Axis PTZ cameras can automatically track people walking down a corridor.
- D. Privacy masks block out areas outside the specified corridor width.

**Correct Answer:** B

**QUESTION 15**

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

**Correct Answer:** A

**QUESTION 16**

When focusing a camera with auto iris, focus will be more accurate if

- A. Set during lowlight conditions, since the depth of field is shorter with a large iris opening.
- B. Set during bright conditions, since the depth of field is shorter with a small iris opening.
- C. Set during lowlight conditions, since the automatic gain control will increase image contrast.
- D. Set during bright conditions, since image contrast will not be reduced by the automatic gain control.

**Correct Answer:** A

**QUESTION 17**

Outdoor ready cameras in the AXIS Q60 Series typically works with 60 W PoE, if we connect it to 30W PoE it will

- A. Work for a limited time.
- B. Give picture but impossible to pan and tilt.
- C. Work but with limited temperature specification.
- D. Work but with limited pan and tilt speed.

**Correct Answer:** C

**QUESTION 18**

In an Ethernet network, broadcast traffic is received and processed by

- A. All devices on the network, making it unsuitable for network video since the network load would be unacceptable.
- B. All devices on the network, making it suitable for network video since any device can access the video without any overhead from establishing a separate connection to the server.
- C. Only those devices that have registered with the server to receive the traffic, making it unsuitable for network video, due to the overhead from establishing a separate connection to the server.
- D. Only those devices that have registered with the server to receive the traffic, making it suitable for network video since the network load would be kept reasonable.

**Correct Answer:** A

**QUESTION 19**

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. 30
- B. 55
- C. 60

Correct Answer: D

**QUESTION 20**

Match each device with the correct description. Drag each gray box from the left column to the matching blue box in the right column.

Router	Forwards traffic to the right receiver within a network
Switch	Assigns IP addresses to devices on the network
DHCP server	Connects twisted pair with fiber optic cabling
Media converter	Forwards traffic between networks

Select and Place:

Router	Forwards traffic to the right receiver within a network
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Media converter	Forwards traffic between networks

Correct Answer:

	Router
	Switch
	DHCP server
	Media converter

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