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NEW QUESTION: 1

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

Answer: A (LEAVE A REPLY)

When a camera is zoomed out, the field of view increases, causing each object or movement to cover fewer pixels. As a result, more pixels need to change to trigger motion detection. This means the motion detection sensitivity may be reduced unless adjustments are made to the detection settings. For more information, refer to Axis Communications' motion detection setup guides.

NEW QUESTION: 2

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: C (LEAVE A REPLY)

When installing a camera outdoors to an existing pole, the most important consideration is that the camera has to be ruggedized. Outdoor environments expose cameras to harsh weather conditions, varying temperatures, and potential physical impacts. Ruggedized cameras are designed to withstand these conditions, ensuring reliable performance and longevity.

References: Axis Communications Outdoor Installation Guides and Ruggedized Camera Specifications.

NEW QUESTION: 3

The purpose of a DNS server is to

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

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 4

Which technology can add audio and I/O functionality to a camera?

- A. i.264
- B. Zipstream
- C. Portcast
- D. IEEE 802.1X

Answer: [C \(LEAVE A REPLY\)](#)

NEW QUESTION: 5

A P-iris lens is

- A. A DC-iris with feedback.
- B. Axis' standard for DC-iris.
- C. An iris specially made for zoom lenses.
- D. An iris with higher light sensitivity.

Answer: [A \(LEAVE A REPLY\)](#)

NEW QUESTION: 6

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 \(LEAVE A REPLY\)](#)

NEW QUESTION: 7

An installer wants to connect and power a PIR sensor from an Axis camera's I/O port. What would be the output DC voltage?

- A. 7 V
- B. 5V
- C. 1, 5V
- D. 3.3 V

Answer: [D \(LEAVE A REPLY\)](#)

NEW QUESTION: 8

View areas enable multiview streaming, which means that users can

- A. stream multiple video streams from several cameras simultaneously.
- B. stream optically zoomed views and normal views simultaneously.
- C. stream multiple views, which are cropped from the full view, simultaneously, stream the same video stream to multiple viewers simultaneously.

Answer: B ([LEAVE A REPLY](#))

View areas enable multiview streaming by allowing users to stream different parts of the camera's field of view simultaneously. This includes the ability to stream both optically zoomed-in views and the full, normal views at the same time. This feature enhances monitoring flexibility and situational awareness by providing multiple perspectives from a single camera feed. Axis documentation on multiview streaming explains how view areas can be configured to deliver both zoomed and wide-angle views concurrently, facilitating comprehensive surveillance.

NEW QUESTION: 9

A deep learning processing unit (DLPU) in a camera is used to provide

- A. an easy way to stream video.
- B. an image enhancing chip, more storage for new analytics.
- C. AI capability on the edge.

Answer: C ([LEAVE A REPLY](#))

A deep learning processing unit (DLPU) in a camera is used to provide AI capability on the edge. This enables the camera to perform complex analytical tasks, such as object detection, classification, and behavior analysis, directly within the camera itself without the need for external processing. This approach reduces latency and bandwidth usage while enhancing the camera's ability to make real-time decisions. Axis Communications' product information on cameras with DLPU highlights this capability.

NEW QUESTION: 10

Which technology can add audio and I/O functionality to a camera?

- A. i.264
- B. Portcast
- C. Zipstream
- D. IEEE 802.1X

Answer: B ([LEAVE A REPLY](#))

Portcast technology can add audio and I/O functionality to a camera. It allows for the integration of additional functionalities such as audio inputs and outputs, as well as input/output ports for various sensors and devices.

This feature enhances the capabilities of the camera beyond just video recording. This information is corroborated by Axis Communications' technical documentation and product guides.

NEW QUESTION: 11

A VPN

- A. Creates a secure tunnel through the network, where your information travels encrypted.
- B. Is a network specially optimized to handle video data packets.
- C. Translates domain names to IP addresses, according to the IPv4 standard.
- D. Is required to enable viewing network surveillance video on mobile devices.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 12

In many places 24 V AC has been popular as a power source but now 12 V and 24 V DC is increasing in popularity because

- A. There is more energy in DC.
- B. It is easier to back-up DC with battery.
- C. There is less power loss in cables with DC.
- D. There is less risk for surge with DC.

Answer: ([SHOW ANSWER](#))

12 V and 24 V DC power sources are becoming increasingly popular compared to 24 V AC because it is easier to back-up DC with batteries. DC power systems can be directly connected to battery backup systems without the need for conversion, making the implementation simpler and more reliable during power outages. This efficiency in backup capability is one of the primary reasons for the shift from AC to DC in many applications, including surveillance systems.

[Reference: Axis Communications - Power over Ethernet for Network Cameras]

NEW QUESTION: 13

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: ([SHOW ANSWER](#))

H.264 compression technology is designed to be more efficient than Motion JPEG, especially at higher frame rates. This is because H.264 uses inter-frame compression, which reduces redundancy by encoding differences between successive frames, leading to significant bandwidth savings. Motion JPEG, on the other hand, compresses each frame independently, resulting in higher bandwidth usage. [Reference: Axis Communications

- Video Compression Technologies]

NEW QUESTION: 14

A camera's recording stream has a bitrate of 8 Mbit/s. How much storage is used per hour?

- A. 36 GB
- B. 288 GB
- C. 3.6 GB
- D. 28.8 GB

Answer: (SHOW ANSWER)

To calculate the storage used per hour by a camera's recording stream with a bitrate of 8 Mbit/s, you can use the following formula:

$$\text{Storage (GB/hour)} = \frac{\text{bitrate (Mbit/s)} \times \text{seconds per hour}}{8 \times 1024}$$

$$\text{Storage (GB/hour)} = \frac{8 \times 3600}{8 \times 1024} = 3.6 \text{ GB}$$

Since there are 3600 seconds in an hour:

$$\text{Storage (GB/hour)} = \frac{8 \times 3600}{8 \times 1024} = 3.6 \text{ GB}$$

$$\text{Storage (GB/hour)} = \frac{8 \times 3600}{8 \times 1024} = 3.6 \text{ GB}$$

Thus, the camera uses 3.6 GB of storage per hour. Axis documentation on storage requirements for video streams provides similar calculations to estimate storage needs based on bitrate.

NEW QUESTION: 15

Ghost image is when

- A. The gain is too high.
- B. The lens is using too high f-stop value.
- C. The frame rate is too low.
- D. The shutter time is too long.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 16

Incorrect colors due to faulty calibration or configuration may result in

- A. False representation of video footage.
- B. Limiting the possibility of sufficient pixel density for facial recognition.
- C. Increasing bandwidth due to high levels of noise.
- D. The camera automatically switching to black and white mode.

Answer: A (LEAVE A REPLY)

Incorrect colors due to faulty calibration or configuration in network cameras can lead to a false representation of the video footage. This is because the colors captured and displayed by the camera do not accurately reflect the actual scene, which can be critical in surveillance applications where precise color reproduction is necessary for identification and evidence purposes. While other options could be related issues, they do not directly address the primary consequence of incorrect color calibration. For more detailed information, refer to Axis Communications' technical notes on camera calibration and color accuracy.

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NEW QUESTION: 17

What camera type is an AXIS Q6315-LE?

- A. Fixed box camera
- B. PTZ camera
- C. Positioning camera
- D. Fixed dome camera

Answer: (SHOW ANSWER)

The AXIS Q6315-LE is a PTZ (Pan-Tilt-Zoom) camera. This type of camera is capable of panning, tilting, and zooming to provide flexible and comprehensive surveillance coverage. PTZ cameras are often used in applications requiring dynamic monitoring of large areas, allowing operators to zoom in on specific details or track moving objects. Axis Communications' product catalog confirms the AXIS Q6315-LE as a PTZ camera.

NEW QUESTION: 18

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

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

Answer: (SHOW ANSWER)

NEW QUESTION: 19

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: ([SHOW ANSWER](#))

Broadcast network traffic involves sending data packets to all devices on a network segment, regardless of whether they need the data. This method can lead to unnecessary network congestion and is not efficient for video transmission, which typically requires sending data to specific recipients. Broadcast is generally avoided in network video transmission in favor of more efficient methods like Unicast or Multicast. [Reference: Axis Communications - Network Traffic Management]

NEW QUESTION: 20

In order to comply with SMPTE standards of HDTV, the camera must meet the following:

- A.** Aspect ratio, resolution, light sensitivity, frame rate
- B.** Light sensitivity, color fidelity, frame rate, aspect ratio
- C.** Light sensitivity, aspect ratio, resolution, color fidelity
- D.** Frame rate, aspect ratio, resolution, color fidelity

Answer: **D** ([LEAVE A REPLY](#))

NEW QUESTION: 21

Which is true regarding the use of a smoked (tinted) dome instead of a clear dome?

- A.** Reduces light sensitivity
- B.** Decreases field of view
- C.** Disables infrared capabilities
- D.** Decreases color fidelity

Answer: **A** ([LEAVE A REPLY](#))

NEW QUESTION: 22

Which network features are usually combined to prevent access to the surveillance network?

- A.** IEEE 802.3ad link aggregation and HTTPS encryption
- B.** IP subnets and VLANs
- C.** Router port forwarding and IP subnets
- D.** Router port forwarding and VLANs

Answer: **B** ([LEAVE A REPLY](#))

IP subnets and VLANs are commonly used network features to prevent unauthorized access to the surveillance network. By segmenting the network using IP subnets, different portions of the network can be isolated, reducing the risk of cross-network attacks. VLANs (Virtual Local Area Networks) further enhance security by creating separate broadcast domains within the same physical network, thereby isolating surveillance devices from other network traffic and improving overall network security and performance.

NEW QUESTION: 23

In dark scenes, which feature causes the camera to automatically adjust the exposure when an object approaches?

- A. Electronic image stabilization
- B. Lightfinder
- C. OptimizedIR
- D. Zipstream

Answer: (SHOW ANSWER)

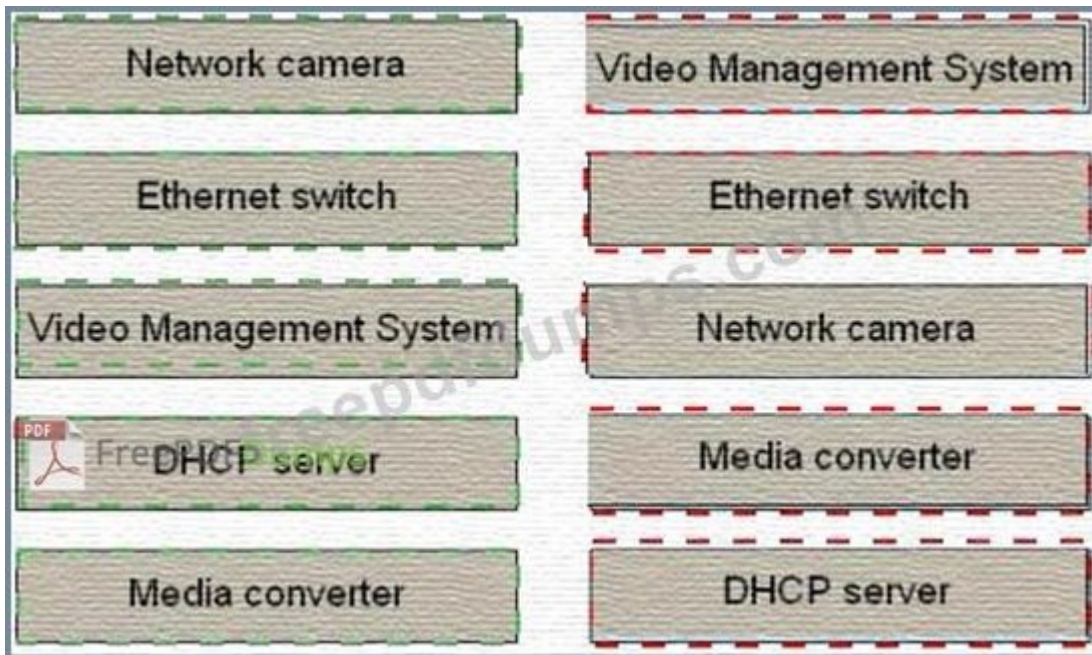
Lightfinder is a technology developed by Axis that allows cameras to maintain color images even in very low light conditions. In dark scenes, Lightfinder automatically adjusts the exposure when an object approaches, enhancing visibility and detail. This feature is particularly useful for capturing clear images in challenging lighting environments without requiring additional lighting. References: Axis Communications product specifications and technical descriptions of Lightfinder technology.

NEW QUESTION: 24

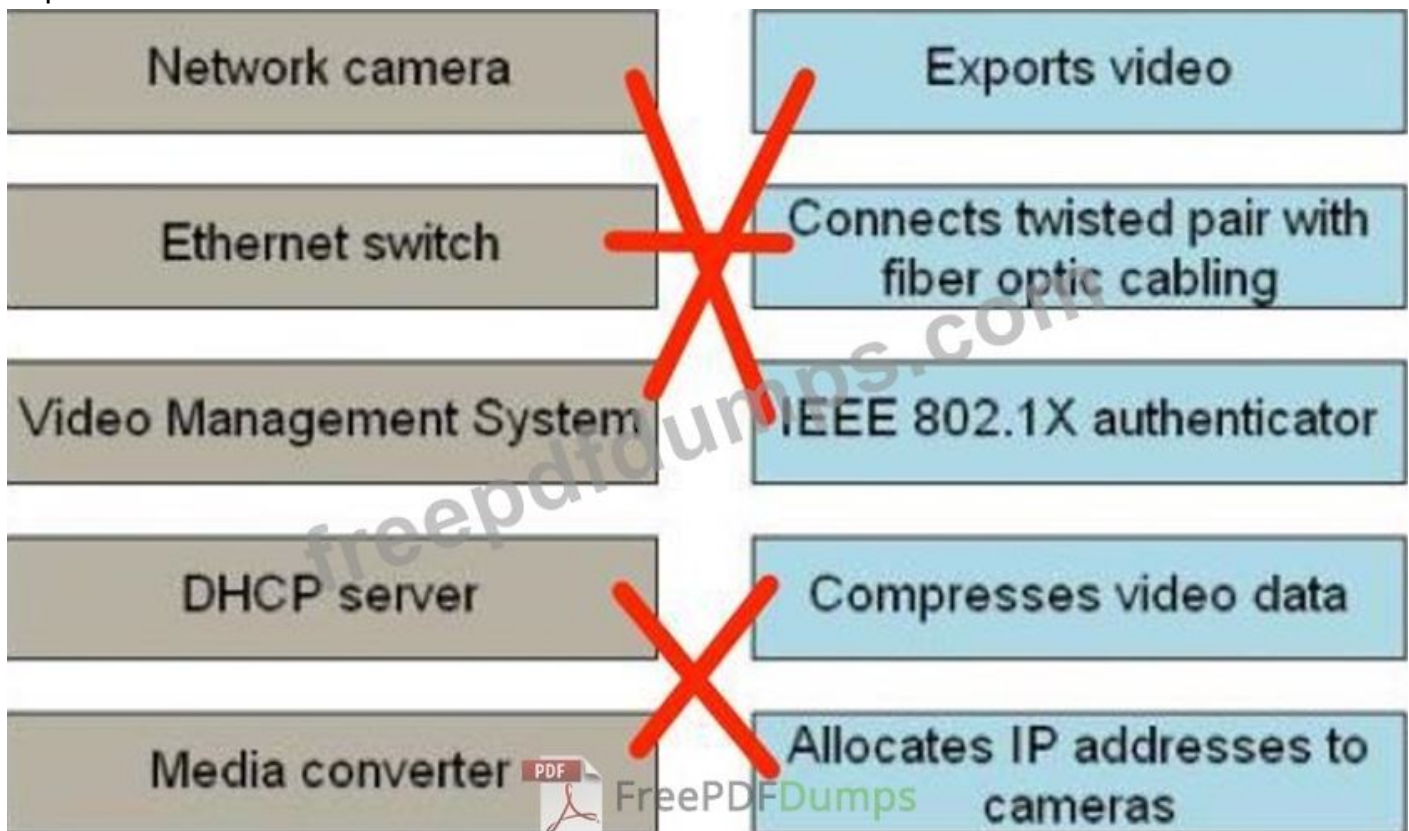
Match each function to the correct video surveillance system component. Drag each gray box from the left column to the matching blue box in the right column.

Network camera	Exports video
Ethernet switch	Connects twisted pair with fiber optic cabling
Video Management System	IEEE 802.1X authenticator
DHCP server	Compresses video data
Media converter	Allocates IP addresses to cameras

Answer:



Explanation:



NEW QUESTION: 25

What ensures that unauthenticated, tampered firmware is blocked and rejected during start up?

- A. IEEE 802.1AR
- B. Factory default
- C. Secure boot
- D. TPM module

Answer: ([SHOW ANSWER](#))

Secure boot is a security feature that ensures only authenticated and untampered firmware can run on Axis devices. During the start-up process, secure boot checks the digital signature of the firmware against a trusted certificate. If the firmware has been tampered with or is not authenticated, the device will block and reject it, preventing potential security breaches. This mechanism is part of Axis' commitment to cybersecurity and is detailed in their security white papers and firmware documentation.

NEW QUESTION: 26

Color temperature is measured in

- A. Celsius.
- B. Lumen.
- C. Lux.
- D. Kelvin.

Answer: D (LEAVE A REPLY)

Color temperature is measured in Kelvin (K). This unit of measurement describes the hue of a specific type of light source, ranging from warm (yellow/red) to cool (blue). Understanding color temperature is crucial for setting up cameras in varying lighting conditions to ensure accurate color reproduction. Axis provides detailed guidance on configuring cameras for optimal performance based on color temperature in their user manuals and technical documentation.

NEW QUESTION: 27

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 (LEAVE A REPLY)

The AXIS Camera Application Platform (ACAP) is a powerful tool that allows users to install and run third-party applications directly on Axis cameras. This capability transforms the cameras into intelligent devices that can perform a variety of tasks, such as video analytics, object recognition, and event detection, without the need for additional hardware. By running applications directly on the camera, ACAP enhances the flexibility and functionality of surveillance systems. Axis Network Video documentation explains how ACAP leverages the processing power of the cameras to deliver advanced features and capabilities.

NEW QUESTION: 28

Which of the following are outdoor rated products? (Choose two)

- A. AXIS M3114-R
- B. AXIS P3304-VR
- C. AXIS P1344-E
- D. AXIS P3344-VE

E. AXIS M1031-W

Answer: ([SHOW ANSWER](#))

The AXIS P1344-E and AXIS P3344-VE are outdoor-rated products designed to withstand harsh environmental conditions. The "E" in AXIS P1344-E denotes an enclosure suitable for outdoor use, providing protection against weather and vandalism. Similarly, the AXIS P3344-VE is specifically designed for outdoor environments, offering features such as weather resistance and rugged casing to ensure reliable operation in various conditions. [Reference: Axis Communications - Outdoor Surveillance Products Specifications]

NEW QUESTION: 29

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

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

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 30

AXIS Device Manager can provide information about the

- A. camera's uptime.
- B. warranty period.
- C. RMA status.
- D. environmental temperature.

Answer: A ([LEAVE A REPLY](#))

AXIS Device Manager can provide information about the camera's uptime. This tool offers comprehensive device management features, including monitoring and reporting the operational status and uptime of Axis devices. It helps ensure that devices are functioning correctly and allows for proactive maintenance. This feature is highlighted in Axis Communications' documentation on AXIS Device Manager capabilities.

NEW QUESTION: 31

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

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 32

Which three are types of field of view?

- A. Wide-angle, normal, zoom
- B. Telephoto, wide-angle, normal
- C. Wide-angle, varifocal, normal
- D. Normal, zoom, telephoto

Answer: B (LEAVE A REPLY)

The three types of field of view are telephoto, wide-angle, and normal. A wide-angle lens provides a broader view, a normal lens offers a standard view comparable to the human eye, and a telephoto lens allows for a narrower field of view with greater magnification. Axis Communications' technical resources detail these field of view options for different camera lenses.

NEW QUESTION: 33

Which API is used to ensure interoperability between products from different vendors?

- A. ONVIF
- B. VAPIX
- C. AVHS
- D. HDTV

Answer: (SHOW ANSWER)

ONVIF (Open Network Video Interface Forum) is the API used to ensure interoperability between products from different vendors. ONVIF provides standardized interfaces for effective interoperability among IP-based physical security products, enabling devices like cameras, video management systems, and access control systems from different manufacturers to work together seamlessly.

Reference: Axis Communications documentation on ONVIF standards.

NEW QUESTION: 34

What is the main purpose of the Arctic Temperature Control functionality?

- A. To protect the camera electronics
- B. To protect the camera mechanics
- C. To protect the camera lens

D. To protect the camera power

Answer: A (LEAVE A REPLY)

The Arctic Temperature Control functionality in Axis cameras is designed to protect the camera electronics by ensuring the device can operate in extremely cold temperatures. This feature helps maintain the internal temperature of the camera, preventing the electronics from freezing and ensuring reliable performance in harsh environments. Detailed information on Arctic Temperature Control can be found in Axis Communications product specifications and user manuals.

NEW QUESTION: 35

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 (LEAVE A REPLY)

Before upgrading an installation with analog PTZ cameras using Axis Q-line encoders, it is crucial to check that the PTZ driver is supported. Ensuring compatibility of the PTZ driver with the encoder guarantees that all pan, tilt, and zoom functionalities will work correctly after the upgrade, maintaining the camera's full operational capabilities.

NEW QUESTION: 36

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

Answer: A (LEAVE A REPLY)

NEW QUESTION: 37

statement best describes how an ACAP works?

- A. The analytic is run on the device
- B. The analytic is run on a cloud server
- C. The analytic is run on a local server
- D. The analytic is run on a remote server

Answer: A (LEAVE A REPLY)

ACAP (Axis Camera Application Platform) analytics run directly on the device. This means that the processing and analysis of data occur on the camera itself, rather than on a separate server or in the cloud.

Running analytics on the device reduces the need for additional hardware and network bandwidth, and it allows for faster decision-making and real-time alerts. This information is confirmed by Axis Communications' documentation on ACAP.

NEW QUESTION: 38

Which is true regarding the use of a smoked (tinted) dome instead of a clear dome?

- A. Decreases color fidelity
- B. Decreases field of view
- C. Disables infrared capabilities
- D. Reduces light sensitivity

Answer: D ([LEAVE A REPLY](#))

Using a smoked (tinted) dome on a camera reduces light sensitivity because the tinted material filters the amount of light that reaches the camera sensor. This can result in lower image quality, especially in low-light conditions. The decrease in light sensitivity does not affect color fidelity, field of view, or infrared capabilities directly. For more information, refer to Axis Communications' technical notes on dome coverings and their impact on camera performance.

NEW QUESTION: 39

When choosing a camera for extreme low temperature environments, how would Arctic Temperature Control ensure camera longevity?

- A. The product is always kept cold
- B. The product can handle low ambient temperatures
- C. The product is protected against extreme temperatures
- D. The product performs a stepped start-up at low ambient temperature

Answer: ([SHOW ANSWER](#)**)**

Arctic Temperature Control is a feature designed to ensure the longevity and reliable performance of network cameras in extremely low-temperature environments. This feature allows the camera to perform a stepped start-up at low ambient temperatures, gradually warming up the camera to avoid potential damage caused by sudden exposure to extreme cold. This controlled start-up process helps protect the camera's internal components and ensures consistent performance. Therefore, option D is correct. For more detailed information, refer to Axis Communications' product documentation on Arctic Temperature Control technology.

NEW QUESTION: 40

What can an installer do to prevent reflections from built-in IR illuminators from degrading the image quality?

- A. Adjust the camera's field of view
- B. Turn off Zipstream in the live view
- C. Reduce the brightness level
- D. Make the aperture smaller

Answer: ([SHOW ANSWER](#)**)**

To prevent reflections from built-in IR illuminators from degrading the image quality, an installer can adjust the camera's field of view. By repositioning the camera or slightly altering its angle, the installer can minimize the direct reflection of IR light back into the lens, which often causes glare and reduces image clarity. Axis installation guidelines recommend adjusting the camera's position to avoid reflective surfaces and ensure optimal use of IR illumination for clear, unobstructed images.

NEW QUESTION: 41

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

When installing a network camera with PoE, which best practices should be taken into consideration? (Choose two)

- A. The camera has the correct software version
- B. The camera is configured for continuous recording
- C. The correct PoE standards are being used
- D. The camera has multiple video streams in H.264
- E. The correct cabling standards are being used

Answer: C,E ([LEAVE A REPLY](#))

When installing a network camera with PoE, the following best practices should be considered:

* C. The correct PoE standards are being used. This ensures compatibility between the camera and the PoE switch or injector, preventing power issues.

* E. The correct cabling standards are being used. Category 5e or higher cabling is recommended to ensure reliable power delivery and data transmission over PoE.

Following these practices helps in achieving a stable and efficient PoE camera installation.

NEW QUESTION: 43

If a camera is pointed down a hallway with no windows and the color seems "washed out" or faded, which of the following settings should first be adjusted to improve the image?

- A. Adjust the exposure settings
- B. Uncheck backlight compensation
- C. Increase image contrast
- D. Decrease image brightness

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 44

A P-iris lens is

- A. An iris with higher light sensitivity.
- B. Axis' standard for DC-iris.
- C. A DC-iris with feedback.
- D. An iris specially made for zoom lenses.

Answer: ([SHOW ANSWER](#))

A P-iris lens is a type of DC-iris lens that incorporates feedback to maintain optimal image quality. Unlike a standard DC-iris, which only adjusts based on light levels, a P-iris lens uses a feedback mechanism to optimize the iris position, ensuring consistent image sharpness, depth of field, and optimal contrast. This technology allows for precise control over the iris, which is especially beneficial in varying lighting conditions. According to Axis documentation, P-iris lenses are designed to deliver better performance by continuously adjusting the iris for optimal image quality.

NEW QUESTION: 45

A company is looking for a dome designed to withstand vibrations inherent to transportation. Which of the following cameras should be recommended?

- A. AXIS P3344-VE
- B. AXIS M3014
- C. AXIS M3114-R
- D. AXIS P1344

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 46

Why is corridor format useful for this scene?



- A. It enables slower shutter speeds to be used
- B. It increases the light sensitivity
- C. It increases the maximum frame rate
- D. It increases the vertical field of view

Answer: D (LEAVE A REPLY)

The corridor format is particularly useful for scenes such as the one depicted because it optimizes the camera's field of view for narrow, vertical areas. Traditional horizontal formats waste much of the frame on walls or empty spaces when monitoring hallways, staircases, or aisles. By rotating the camera 90 degrees and using the corridor format, you maximize the vertical field of view, allowing for better coverage and more effective surveillance in such environments. Axis Communications documents and product guides frequently highlight this advantage for corridor format applications.

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NEW QUESTION: 47

Which is true about H.264, FPS, and bitrate?

- A. Reducing the FPS by 50% will reduce the bitrate by exactly 50%
- B. Reducing the FPS by 50% will have no impact on the bitrate
- C. Reducing the FPS by 50% will reduce the bitrate by less than 50%
- D. Reducing the FPS by 50% will reduce the bitrate by more than 50%

Answer: (SHOW ANSWER)

Reducing the frames per second (FPS) by 50% will reduce the bitrate by less than 50%. This is because the bitrate is influenced not only by the frame rate but also by the complexity of the image content and the compression efficiency. While lowering the FPS reduces the amount of data being processed, other factors like scene complexity and motion still impact the overall bitrate. Axis documentation on video compression and bitrate management indicates that halving the FPS typically results in a less than proportional reduction in bitrate.

NEW QUESTION: 48

An installer wants to connect and power a PIR sensor from an Axis camera's I/O port. What would be the output DC voltage?

- A. 1, 5V
- B. 3.3 V
- C. 5V
- D. 7 V

Answer: B (LEAVE A REPLY)

When connecting and powering a PIR sensor from an Axis camera's I/O port, the output DC voltage provided is 3.3 V. This is a standard output voltage for many Axis network cameras, which allows integration of various low-power devices and sensors directly with the camera's I/O ports.

Reference: Axis Communications, "I/O and Audio Connectors Specifications", Product Documentation.

NEW QUESTION: 49

Which of the following will allow a customer to have a PTZ camera automatically change between three predefined positions?

- A. Use the Guard Tour capability to switch between the preset positions

- B. Switch between the predefined positions using a joystick
- C. Use the auto tracking capability to switch between the preset positions
- D. Configure the camera's I/O ports to control the preset positions

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

Fiber optic cables

- A. have a lower cost than shielded twisted pair cables.
- B. enable bitrates up to a maximum of 40 Gbit/s.
- C. can be used for long distances.
- D. are sensitive to electromagnetic interference.

Answer: C ([LEAVE A REPLY](#))

Fiber optic cables are ideal for long-distance data transmission due to their low signal attenuation and high bandwidth capabilities. Unlike copper cables, fiber optics can transmit data over several kilometers without significant loss of signal quality. They are also immune to electromagnetic interference, making them suitable for environments with high electrical noise. Axis technical references on networking confirm that fiber optic cables are preferred for long-distance and high-performance networking applications.

NEW QUESTION: 51

Image flickering is caused by

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

Answer: D ([LEAVE A REPLY](#))

Image flickering is often caused by fluorescent lights due to their characteristic rapid on-off cycling. This cycling can interfere with the camera's frame rate, leading to visible flicker in the captured video. Adjusting the camera settings to match the frequency of the fluorescent lights can help reduce this effect. For more information, consult Axis Communications' troubleshooting guides on image flickering.

NEW QUESTION: 52

Which statements on Group of video (GOV) length are true? (Choose two)

- A. The GOV length setting only has an impact on MPEG-4
- B. The GOV length setting has an impact on bandwidth
- C. The GOV length can be adjusted in both Motion JPEG and H.264
- D. A long GOV length increases the storage time on SD card
- E. The GOV length setting is only used for recording

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

If a surveillance camera is installed in an environment with fluorescent lighting, which effect may this have on the video quality?

- A. Increased color saturation
- B. Flickering effects on video
- C. Increased random noise
- D. Motion blur on moving objects

Answer: ([SHOW ANSWER](#))

Fluorescent lighting can cause flickering effects in video due to the way these lights operate. Fluorescent lamps typically flicker at twice the power line frequency (50 Hz or 60 Hz), which can interfere with the camera's frame rate and shutter speed, leading to visible flickering in the recorded video. This effect is more pronounced when the camera's exposure settings are not synchronized with the frequency of the lighting. Axis Network Video documentation discusses the importance of using cameras with anti-flicker settings or adjusting the shutter speed to match the lighting frequency to mitigate this issue.

NEW QUESTION: 54

If cameras are at risk of being exposed to a corrosive atmosphere, what type of housing should be used?

- A. Fiberglass
- B. Stainless steel
- C. Plastic
- D. Metal

Answer: ([SHOW ANSWER](#))

If cameras are at risk of being exposed to a corrosive atmosphere, stainless steel housing should be used.

Stainless steel provides excellent resistance to corrosion and is suitable for harsh environments where the camera might be exposed to chemicals, saltwater, or other corrosive substances. This ensures the longevity and reliability of the camera in such conditions. Axis Communications' documentation on camera housings and environmental considerations supports this recommendation.

NEW QUESTION: 55

The Axis pixel counter allows a user to

- A. Convert pixels to actual distances.
- B. Verify that the resolution requirements for a scene are met.
- C. Determine the file size for each video frame.
- D. Specify different exposure zones in a scene.

Answer: ([SHOW ANSWER](#))

The Axis pixel counter is a tool that allows users to verify that the camera's resolution meets the requirements for a specific scene. This is particularly useful in ensuring that critical areas are

captured with sufficient detail for identification and analysis. The pixel counter helps in confirming that the pixel density is adequate for the intended surveillance purposes. Detailed explanations can be found in Axis Communications' camera setup and configuration documentation.

NEW QUESTION: 56

If an object is placed 1 m (3 ft) away from a light source and the lux level is 3200 lux, what is the lux level at a distance of 8 m (24 ft)?

- A. 50 lux
- B. 10 lux
- C. 400 lux
- D. 200 lux

Answer: A (LEAVE A REPLY)

If an object is placed 1 meter (3 feet) away from a light source with a lux level of 3200 lux, the lux level decreases according to the inverse square law of light. At a distance of 8 meters (24 feet), the lux level can be calculated as:

$$\text{New Lux Level} = 3200 \text{ lux} \left(\frac{8}{1}\right)^2 = 3200 \text{ lux} \cdot 64 = 50 \text{ lux}$$

$$\text{New Lux Level} = \frac{3200 \text{ lux}}{64} = 50 \text{ lux}$$

Thus, at 8 meters, the light intensity drops significantly to 50 lux.

Reference: Axis Communications. "Light conditions and surveillance camera performance." Axis Light Conditions.

NEW QUESTION: 57

Looking at the picture below, which setting would best address the blurring that's occurring with faster moving objects?



- A. Uncheck backlight compensation
- B. Adjust the exposure settings
- C. Increase image contrast
- D. Increase image brightness

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 58

External (non-integrated) IR illumination can help to (Select two)

- A. increase contrast in the scene.
- B. reduce the cabling cost.
- C. simplify installation.
- D. avoid blinding people passing by.
- E. illuminate the scene more.

Answer: A,E ([LEAVE A REPLY](#))

External (non-integrated) IR illumination can significantly enhance the performance of surveillance cameras in low-light conditions. By increasing contrast in the scene, it allows the camera to capture clearer images with more detail. Additionally, external IR illumination provides more flexibility in placement and coverage, ensuring that the entire area of interest is adequately illuminated. This can be particularly useful in large or irregularly shaped areas where integrated IR might not be sufficient. Axis documentation supports the use of external IR illuminators to improve image quality and scene visibility in low-light environments.

NEW QUESTION: 59

Gatekeeper is a function that

- A. Uses video motion detection for detecting if a gate is open.
- B. Enables two way audio for communication at a gate.
- C. Uses video motion to zoom in on an object.
- D. Makes it possible for a PTZ camera to do a guard tour.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 60

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 MAC addresses.
- D. Translate host names such as www.axis.com to IP addresses.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 61

Why is the background of this scene slightly out of focus?



- A. The light level is too low
- B. The IR LEDs are on
- C. The pixel density is too low
- D. The depth of field is too shallow

Answer: D ([LEAVE A REPLY](#))

The background of the scene is slightly out of focus due to a shallow depth of field. Depth of field refers to the range of distance within a photo that appears acceptably sharp. A shallow depth of field results in a narrow focus area, causing objects outside this area to appear blurred. This can be influenced by the aperture setting of the lens, the focal length, and the distance to the subject.

Axis documentation on camera setup and focus adjustments provides guidance on managing depth of field to ensure optimal image clarity.

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NEW QUESTION: 62

What is the maximum power level at the powered device for PoE class 2?

- A. 6.49 W
- B. 12.95 W
- C. 15W
- D. 30 W

Answer: A ([LEAVE A REPLY](#))

The maximum power level at the powered device for PoE class 2 is 6.49 W. Power over Ethernet (PoE) class 2 devices are designed to consume between 3.84 W and 6.49 W. This classification helps ensure that network devices receive the appropriate power levels required for their operation.

Reference: Axis Communications. "Power over Ethernet (PoE) standards and classifications." Axis PoE Standards.

NEW QUESTION: 63

When using IR illuminators, which wavelengths would not produce any visible glow?

- A. 650 nm
- B. 750 nm
- C. 850 nm
- D. 940 nm

Answer: D ([LEAVE A REPLY](#))

Infrared (IR) illuminators with a wavelength of 940 nm do not produce any visible glow. This wavelength is completely invisible to the human eye, making it ideal for covert surveillance applications where the presence of IR illumination needs to be undetectable. Other wavelengths like 650 nm, 750 nm, and 850 nm can produce a faint red glow that may be visible in low light conditions.

NEW QUESTION: 64

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 (LEAVE A REPLY)

Image flickering on an AXIS P1344 can often be attributed to the camera's exposure settings. Flickering is usually caused by lighting conditions that fluctuate at a frequency different from the camera's current exposure settings, leading to the perception of flicker. Adjusting the exposure settings can synchronize the camera with the lighting conditions, thus reducing or eliminating the flickering issue. This can be done by accessing the camera's web interface and navigating to the image settings to adjust the exposure mode or exposure value.

According to Axis Communications' product documentation, fine-tuning the exposure settings is a recommended step to mitigate flickering.

NEW QUESTION: 65

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

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

Answer: A,C (LEAVE A REPLY)

NEW QUESTION: 66

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: (SHOW ANSWER)

The f-stop value of a lens will get higher if you zoom in. This is true because as the focal length increases (when zooming in), the lens aperture typically becomes smaller, resulting in a higher f-stop value. This change affects the amount of light entering the camera, which is an important consideration for PTZ (Pan-Tilt-Zoom) cameras when they are used in varying lighting conditions.

NEW QUESTION: 67

If using H.264 compression, in theory, what could a video containing no I-frames look like?

- A. All non-moving objects will be visible
- B. A black image is visible during the whole video
- C. The first P-frame is visible during the whole video
- D. All moving objects will be visible

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 68

Working with the end user, you find that they need a cost-effective mini dome with a varifocal lens. DC-iris and audio capabilities are not required. Which of the following products would best fit the requirements?

- A. AXIS M3204
- B. AXIS P3301
- C. AXIS M1113
- D. AXIS P3343

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 69

Which setting would best adjust a hard yellow tint as shown in the pictures below?



- A. White balance
- B. Color saturation
- C. Image brightness
- D. Image contrast

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 70

Which method can be used to make an Axis camera available over the internet?

- A. Axis NAT traversal
- B. Axis Secure Remote Access
- C. Axis Smart Search
- D. Subnetting

Answer: B ([LEAVE A REPLY](#))

Axis Secure Remote Access simplifies making Axis cameras available over the internet without the need for complex network configurations. This service provides a secure, encrypted connection to access and manage Axis devices remotely. By using Axis Secure Remote Access, users can avoid issues related to NAT traversal and firewall configurations, ensuring a reliable

and secure remote connection. Detailed instructions and benefits of using Axis Secure Remote Access are outlined in Axis' support documentation.

NEW QUESTION: 71

What is the main purpose of HDMI out on a camera?

- A. For connecting to an installation monitor
- B. For accessing camera recordings
- C. For connecting to a public view monitor
- D. For central monitoring

Answer: C (LEAVE A REPLY)

The main purpose of an HDMI output on a camera is for connecting to a public view monitor (PVM). This allows live video feed from the camera to be displayed directly on monitors in public areas, which can act as a deterrent against theft or unwanted behavior. Axis documentation states that HDMI outputs are used to provide real-time video display for public viewing, enhancing security presence and situational awareness.

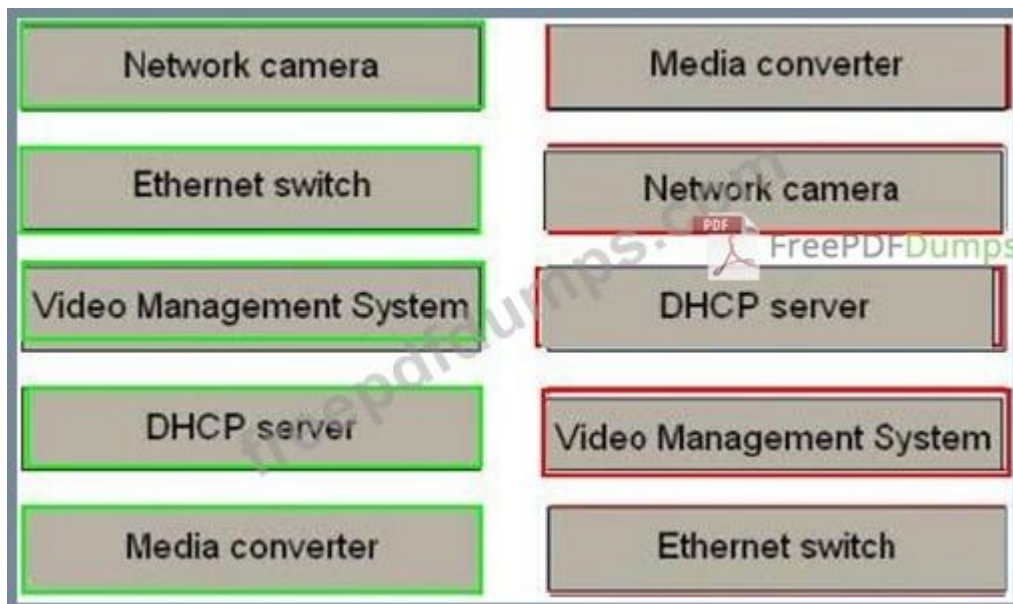
NEW QUESTION: 72

DRAG DROP

Match each function to the correct video surveillance system component. Drag each gray box from the left column to the matching blue box in the right column.

Network camera	Exports video
Ethernet switch	Connects twisted pair with fiber optic cabling
Video Management System	IEEE 802.1X authenticator
DHCP server	Compresses video data
Media converter	Allocates IP addresses to cameras

Answer:



NEW QUESTION: 73

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 (LEAVE A REPLY)

When initiating a surveillance project, the first and most critical step is to understand the customer's goals and requirements. This involves gathering detailed information about what the customer aims to achieve with the surveillance system, the specific areas they need to monitor, and any unique challenges or constraints they might have. This understanding helps in designing a tailored solution that meets the customer's expectations and operational needs. [Reference: Axis Communications - Surveillance Installation and Configuration Guide]

NEW QUESTION: 74

In what way does VAPIX help integrators?

- A. It offers a multi-language tutorial for implementation of analytics
- B. The openness helps integrate Axis products with other system components
- C. It connects products to automatically upgrade products with the latest firmware
- D. It improves efficiency when implementing multi-camera tracking

Answer: B (LEAVE A REPLY)

NEW QUESTION: 75

Keeping firmware up to date helps a device to

- A. maintain its IP-rating.
- B. stay as cybersecure as possible.

- C. remain in focus constantly.
- D. stay compatible with the VMS.

Answer: (SHOW ANSWER)

Keeping firmware up to date helps a device stay as cybersecure as possible by addressing vulnerabilities and incorporating security patches. Regular updates ensure that the device is protected against the latest threats.

Additionally, updating firmware helps the device remain compatible with the Video Management System (VMS), ensuring that it can work seamlessly with the latest software features and improvements. References:

Axis Communications security and firmware update policies.

NEW QUESTION: 76

Which of the following actions can be taken using the AXIS T8414 Installation Display? (Choose two)

- A. Read user documentation for cameras
- B. Make snapshots
- C. Power up a PoE camera
- D. Reset a camera to factory default values
- E. Access a camera's home page

Answer: B,C (LEAVE A REPLY)

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NEW QUESTION: 77

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

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

Answer: (SHOW ANSWER)

NEW QUESTION: 78

What is a benefit of utilizing external IR illumination with 940 nm?

- A. It is easy to align with the camera
- B. It provides covert surveillance
- C. It enables full color images
- D. It has a deterring effect on intruders

Answer: B (LEAVE A REPLY)

Utilizing external IR illumination with 940 nm provides the benefit of covert surveillance. IR light at 940 nm is almost invisible to the human eye, making it ideal for discreet monitoring without drawing attention to the presence of the camera. This allows for effective surveillance while remaining undetected by intruders. Axis Communications' product documentation on IR illumination confirms this advantage of 940 nm IR light.

NEW QUESTION: 79

A camera can deliver up to two full resolution 30 fps H.264 streams. The customer wants to have four H.264 streams from the same camera. What will be the resulting impact?

- A. The camera will lower the resolution
- B. The camera will lower the compression
- C. The camera will lower the frame rate
- D. The camera will lower the Group of Video (GOV) length

Answer: (SHOW ANSWER)

The ONVIF (Open Network Video Interface Forum) standard provides several benefits to end users. One key benefit is that it helps create future-proof systems and more secure investments by ensuring interoperability between different manufacturers' devices, which protects against obsolescence. Additionally, ONVIF increases flexibility and offers greater freedom of choice, allowing users to mix and match devices from different vendors, thereby tailoring their security systems to specific needs without being locked into a single manufacturer's ecosystem.

References: Axis Communications ONVIF Conformance Documentation and ONVIF.org Benefits of ONVIF.

NEW QUESTION: 80

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

Answer: B (LEAVE A REPLY)

Deinterlacing in video encoding is used to eliminate the artifacts that occur when the two fields of an interlaced video frame capture different moments in time. These artifacts, known as tearing effects, can be particularly noticeable when there is motion in the scene. Deinterlacing processes the fields to produce a single frame, resulting in a smoother image with reduced tearing.

[Reference: Axis Communications - Video Processing Techniques]

NEW QUESTION: 81

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

Answer: (SHOW ANSWER)

Axis P-iris technology is designed to optimize the iris position for optimal depth of field, resolution, and image contrast. It also helps in managing challenging lighting conditions such as backlighting by controlling the amount of light reaching the image sensor. This allows the camera to produce clear images even when facing direct sunlight or other bright light sources.

NEW QUESTION: 82

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

Answer: C (LEAVE A REPLY)

NEW QUESTION: 83

Which one of the following camera parameters may become a limiting factor for the camera in delivering full frame rate?

- A. Noise reduction
- B. Exposure time
- C. Flicker-free mode
- D. Aspect ratio 16:9

Answer: B ([LEAVE A REPLY](#))

Exposure time can become a limiting factor for the camera in delivering full frame rate. Longer exposure times allow more light to hit the camera sensor, improving image quality in low light conditions but also reducing the number of frames per second (fps) that the camera can capture. Shorter exposure times allow higher frame rates but may result in underexposed images in low light conditions.

Reference: Axis Communications - Camera Exposure Settings

NEW QUESTION: 84

Which is true about variable bitrate (VBR)?

- A. It forces the bitrate to stay at a constant low level
- B. It maintains the image quality, even in high-motion scenes
- C. It dynamically adjusts the frame rate in high-motion scenes
- D. It helps reduce the bitrate when there is a lot of image noise

Answer: (SHOW ANSWER)

Variable bitrate (VBR) is a video encoding method that adjusts the bitrate according to the complexity of the video scene. The primary advantage of VBR is that it maintains image quality, even in high-motion scenes, by allocating more bitrate when needed and reducing it during simpler scenes. This ensures consistent image quality while optimizing the use of bandwidth. Axis Communications' documentation on video compression and bitrate management confirms the benefits of VBR in maintaining image quality.

NEW QUESTION: 85

Which of the following statements about multicast video streaming are true? (Choose three)

- A. Multicast can help to save bandwidth in a network
- B. Multicast can typically not be used to provide video over internet
- C. Multicast uses TCP as transport protocol
- D. Multicast extends the viewer capacity of a camera or an encoder from 10-20 to an unlimited number
- E. RTSP streams are always sent through multicast

Answer: A,B,D ([LEAVE A REPLY](#))

Multicast video streaming has several important characteristics:

* A. Multicast can help to save bandwidth in a network because it allows the same video stream to be delivered to multiple users simultaneously, reducing the need for multiple unicast streams.

* B. Multicast can typically not be used to provide video over the internet because many routers and firewalls do not support multicast traffic across the internet, which is more suited for local network environments.

* D. Multicast extends the viewer capacity of a camera or an encoder from 10-20 to an unlimited number, as it does not rely on multiple individual connections to distribute the video stream.

Reference: Axis Communications - Multicast Streaming

NEW QUESTION: 86

What is true when using AXIS People Counter?

- A. It is recommended for both indoor and outdoor use
- B. A camera with Lightfinder technology must be used
- C. The camera lens must be facing straight down
- D. IR illumination will affect the counting accuracy

Answer: ([SHOW ANSWER](#))

When using AXIS People Counter, the camera lens must be facing straight down. This positioning ensures the most accurate counting of people as they pass through the monitored area. The overhead view eliminates obstructions and provides a clear field of vision directly below the camera, which is essential for precise counting. This recommendation is verified by Axis Communications' guidelines on deploying the AXIS People Counter application.

NEW QUESTION: 87

This image represents an enlargement of an actual surveillance image. How could you improve the overall quality of the image? (Choose two)



- A. Increase the gain setting in the camera
- B. Change to a camera with higher resolution
- C. Decrease image compression setting
- D. Decrease the gain setting in the camera
- E. Increase the image compression setting

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 88

What are the effects of changing the capture mode on an AXIS P1346 from 2048x1536 (3 MP) to 1 920x1080 (HDTV)? (Choose two)

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

Answer: A,B ([LEAVE A REPLY](#))

NEW QUESTION: 89

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

Answer: A ([LEAVE A REPLY](#))

The feature in Axis cameras that allows a fixed box style camera to tell a PTZ camera to move to a preset is the HTTP server. Axis cameras can use HTTP commands to communicate with each other over the network.

By sending an HTTP request from a fixed camera, the PTZ camera can be directed to move to a specific preset position, enabling coordinated surveillance coverage.

NEW QUESTION: 90

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: ([SHOW ANSWER](#))

Audio detection in Axis cameras is used to detect changes in decibel levels, which can indicate unusual or noteworthy events such as alarms, breaking glass, or raised voices. This functionality does not necessarily require a built-in microphone; it can also work with external microphones. The primary function is to trigger alerts or recordings based on significant changes in the audio environment. Axis Network Video documentation outlines the use of audio detection for enhancing security by monitoring for specific sound patterns or levels.

NEW QUESTION: 91

Which one of the following camera parameters may become a limiting factor for the camera in delivering full frame rate?

- A. Noise reduction
- B. Flicker-free mode
- C. Aspect ratio 16:9

D. Exposure time

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 92

Before upgrading firmware, which of the following should be checked?

- A. Verify that the Video Management Software (VMS) supports the latest firmware version
- B. Verify that both rack mounted and standalone servers support the latest firmware version
- C. Verify that the IEEE 802.3af compliant PoE switch supports the latest firmware version
- D. Verify that the SD card is properly ejected before the upgrade is started

Answer: ([SHOW ANSWER](#))

Before upgrading the firmware, it is essential to verify that the Video Management Software (VMS) supports the latest firmware version. Incompatibility between the VMS and the new firmware can lead to operational issues and reduced functionality. Checking for VMS support ensures a smooth upgrade process. This recommendation can be found in Axis Communications' firmware upgrade guidelines and best practices.

NEW QUESTION: 93

Which is true for a multidirectional camera?

- A. The lenses move automatically when tracking an object
- B. Each sensor is assigned its own IP address
- C. The sensors are movable to enable optimal usage
- D. The image from each sensor is automatically dewarped

Answer: C ([LEAVE A REPLY](#))

A multidirectional camera is equipped with multiple sensors that can be independently adjusted to cover different areas. This flexibility allows for optimal usage of the camera by positioning each sensor to capture specific scenes or angles. These sensors are typically fixed in place once set up, but their initial placement can be adjusted to ensure comprehensive coverage. Axis documents specify that multidirectional cameras are designed for customizable installation to meet varying surveillance needs.

NEW QUESTION: 94

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.

Answer: ([SHOW ANSWER](#))

In a switched network with Unicast, data packets are sent from the source to a single specific recipient. No other computers on the network will receive the data intended for that recipient. This method ensures that the communication is direct and private between the sender and the receiver, which helps in managing network bandwidth efficiently. [Reference: Axis Communications - Networking Basics for IP Surveillance]

NEW QUESTION: 95

The camera sensors in Axis' multidirectional cameras can be



- A. moved only as one unit.
- B. individually adjusted.
- C. stitched for a seamless image.
- D. added or removed.

Answer: B ([LEAVE A REPLY](#))

The camera sensors in Axis' multidirectional cameras can be individually adjusted. This flexibility allows each sensor to be positioned independently, enabling optimal coverage of the desired areas. Such adjustability ensures that a single camera unit can cover multiple directions or areas, enhancing the efficiency and effectiveness of the surveillance setup. Axis' multidirectional camera specifications and manuals provide detailed information on this feature.

NEW QUESTION: 96

What direction of movement (relative to the camera) do video analytics applications detect more easily?

- A. Perpendicular to the camera
- B. Toward the camera
- C. At a 45° angle to the camera
- D. Away from the camera

Answer: (SHOW ANSWER)

Video analytics applications detect movement perpendicular to the camera more easily than movement toward or away from the camera. This is because objects moving perpendicular to the camera create more significant changes in the pixel patterns, making it easier for the analytics software to detect and analyze the movement.

Movement toward or away from the camera results in smaller changes in pixel patterns, which can be harder to detect accurately. References: Axis Communications documentation on video analytics and movement detection.

NEW QUESTION: 97

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 (LEAVE A REPLY)

Adding network surveillance cameras to an existing Ethernet network will benefit from using VLANs (Virtual Local Area Networks) to keep the surveillance video separate from other network traffic. This separation reduces the risk of network congestion by prioritizing surveillance video traffic and ensuring sufficient bandwidth is available for video data. VLANs enhance network performance and security by segmenting traffic and minimizing interference from other network activities.

NEW QUESTION: 98

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. The estimations were done in MPEG-4 and they should change the AXIS Q6034-E to run in MPEG-4 instead of H.264
- C. Because most of the areas in the guard tour are empty. H.264 cannot save as much on the compression
- D. Using continuous guard tour does not let H.264 save as much on the compression

Answer: (SHOW ANSWER)

NEW QUESTION: 99

What is this ?



- A. An Ethernet over coax adapter
- B. A PoE extender
- C. An SEP module
- D. A video balun

Answer: C (LEAVE A REPLY)

The device shown in the image is an SFP (Small Form-factor Pluggable) module. SFP modules are used to connect network devices over fiber optic or Ethernet cables, enabling high-speed data transmission. These modules are commonly used in network cameras and other IP-based devices to ensure reliable and efficient network connectivity. Axis provides various SFP modules that are compatible with their network devices, as outlined in their product datasheets and connectivity guides.

NEW QUESTION: 100

Which of the following statements are true for H.264? (Choose two)

- A. A P-frame references preceding and succeeding P-frames
- B. Group of Video (GOV) length is directly affected by the sizes of the I- and P-frames
- C. Longer GOV length means reduced bit rate
- D. Increased motion in a scene means increased bit rate
- E. The size of an I-frame depends on the preceding P-frame

Answer: (SHOW ANSWER)

NEW QUESTION: 101

In environments with rain or snow, an Axis bullet camera has which benefit?

- A. The built-in wipers automatically removes any drops blocking the view
- B. The camera can vibrate to shake off any drops from the glass front
- C. The built-in IR immediately melts any snow landing on the front side
- D. The weather shield is tilted with the camera, protecting the glass front

Answer: D (LEAVE A REPLY)

In environments with rain or snow, an Axis bullet camera benefits from having a weather shield that tilts with the camera. This shield helps protect the camera's glass front from raindrops and snow, ensuring clear visibility and reducing the need for frequent cleaning. The design helps maintain optimal image quality in various weather conditions. References: Axis Communications Bullet Camera Features

NEW QUESTION: 102

When designing a network video system, which are the benefits of configuring VLANs? (Select two)

- A. It increases the network bandwidth
- B. It keeps the network traffic separated from other networks
- C. In some cases, it lowers the bandwidth consumption
- D. It helps avoid network congestion
- E. Interconnectivity between networks is enabled

Answer: B,D (LEAVE A REPLY)

Configuring VLANs (Virtual Local Area Networks) in a network video system has several benefits. Firstly, VLANs keep network traffic separated from other networks, enhancing security and ensuring that video data does not mix with other types of traffic. This separation is crucial for maintaining the integrity and security of the video streams. Secondly, VLANs help avoid network congestion by logically segmenting the network, which improves overall network performance and reduces the likelihood of traffic bottlenecks. Axis documentation supports the use of VLANs to enhance network efficiency and security in video surveillance systems.

NEW QUESTION: 103

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: A (LEAVE A REPLY)

Managed switches offer a variety of security features essential for maintaining the integrity and confidentiality of network data. IEEE 802.1X port-based authentication ensures that only authorized devices can connect to the network by requiring each device to authenticate itself before gaining access. HTTPS encryption provides secure communication over the network by

encrypting the data being transmitted, protecting it from interception and tampering. These two features are critical for securing network traffic and preventing unauthorized access. Axis Network Video documentation highlights the importance of these features in maintaining a secure video surveillance network.

NEW QUESTION: 104

Which is true about a MAC address? (Select two)

- A. It is a logical address
- B. It is a layer 3 protocol
- C. It is used for direct data exchange within a network
- D. It is a unique physical address
- E. DHCP servers can assign dynamic MAC addresses

Answer: D (LEAVE A REPLY)

A MAC (Media Access Control) address is a unique physical address assigned to network interfaces for communication on the physical network segment. It is used for direct data exchange within a network, ensuring that data packets are delivered to the correct device. Unlike IP addresses, MAC addresses operate at the data link layer (Layer 2) of the OSI model and are hard-coded into the network interface card (NIC) by the manufacturer. References: Axis Communications networking guides and standard networking principles.

NEW QUESTION: 105

How does the AXIS Design Tool allow users to estimate the effects of scene complexity and motion on bandwidth and storage usage?

- A. AXIS Design Tool requires users to manually enter their own estimated bit rate for each camera
- B. Users can view model scenario videos and select the scenario that best matches their scene
- C. Users can upload recorded surveillance video to allow AXIS Design Tool to make estimates
- D. AXIS Design Tool uses a statistical model based on selected camera model

Answer: B (LEAVE A REPLY)

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