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Exam : ANVE

Title : Axis Network Video Exam

Version : DEMO

1.Which of the following statements are true for H.264? (Choose two)
A. The size of an I-frame depends on the preceding P-frame
B. Increased motion in a scene means increased bit rate
C. Group of Video (GOV) length is directly affected by the sizes of the I- and P-frames
D. A P-frame references preceding and succeeding P-frames
E. Longer GOV length means reduced bit rate
Answer: B,E
Explanation:
H.264 is a video compression standard that adjusts the bit rate based on the motion in the scene. Increased motion results in a higher bit rate because more data is required to accurately represent the changes between frames. Additionally, a longer Group of Video (GOV) length, which means fewer I-frames and more P-frames in a sequence, reduces the overall bit rate since I-frames are larger and require more data. References can be found in the Axis Communications documentation and technical white papers on H.264 compression.

2.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
Explanation:
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.

3.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
Explanation:
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.

4.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
Explanation:
The AXIS M3114-R is designed specifically for use in environments with vibrations, such as transportation. It is rugged and can withstand shocks and vibrations inherent in mobile applications. Other models like the AXIS P3344-VE, AXIS M3014, and AXIS P1344 do not have the same level of vibration resistance. Detailed specifications and use cases for the AXIS M3114-R can be found in the Axis Communications product catalog and datasheets.

5.Which is a benefit of using VLANs and IP subnets?
A. An encrypted communication link is established over the internet, allowing surveillance video to be securely viewed off-site
B. The network provides end-to-end encryption to prevent malicious users from intercepting network traffic
C. The network will only allow access from authorized devices, eliminating the risk that malicious users disconnect cameras to intercept network traffic
D. Network surveillance video can be kept separate from other network traffic, reducing the risk that malicious users will intercept it
Answer: D
Explanation:
Using VLANs and IP subnets in a network infrastructure helps segregate surveillance video traffic from other network traffic. This separation improves network security by limiting access to authorized devices only and reducing the risk of video interception by malicious users. It does not inherently provide encryption or establish encrypted communication links, but it enhances security by isolating sensitive video streams. Detailed explanations can be found in Axis Communications network design guides and security best practices documents. Top of Form
Bottom of Form