



## Budgetary Price

Description	Quantity	Unit price	Total Price (JD)	Budgetary Price (JD)
<u>IP Camera</u>	25			
<u>NVR 32</u>	1			
<u>NVR 16</u>	1			
<u>Cabinet</u>	2			
<u>Network Structured Cabling System</u>	25			
16 Port switches	3			
Point-to-Point	1			
UPS	3			





جامعة الحسين بن طلال

**IP Surveillance System Tender**  
**Specifications**

**مواصفات نظام مراقبة بالكاميرات لمساحات سكن**  
**الطالبات في موقع الجامعة القديم**

2022



## 1- IP Camera , Outdoor Fixed Camera 4 Mega Pixel

General Specifications	Quantity	Comply Yes/No For each
<ul style="list-style-type: none"> <li>• Image sensor: progressive scan CMOS or CCD.</li> <li>• Resolution: 2048X1536 or higher.</li> <li>• Frame Rate: 20 FPS @ 2048X1536 resolution or higher.</li> <li>• Compression: H.264, motion JPEG, MPEG-4.</li> <li>• Automatic day and night function with mechanical IR cut filter.</li> <li>• Motion Detection: 3 regions and selectable sensitivity and threshold.</li> <li>• Up to 4 Privacy zones (privacy mask).</li> <li>• High quality night recording.</li> <li>• Power Source: Power over Ethernet.</li> <li>• Security: password protection, IP addresses filtering, HTTPS encryption.</li> <li>• Protocols: IP v4 /V6 TCP, http, https, DHCP, DNS, NTP, RTP, RTSP, Qos, FTP.</li> <li>• Compatible with the management and recording software.</li> <li>• Interface: RJ-45 POE 100 base-T.</li> <li>• Operating temperature range (-15°C--55°C) or higher.</li> <li>• Casing: IP66, weather proof.</li> <li>• Three years manufacturers' original warrantee.</li> </ul>	25	

## 2- Network Video Recorder (NVR)

General Specifications	Quantity	Comply Yes/No For each
<ul style="list-style-type: none"> <li>• H.265+/H.265/H.264+/H.264 video formats</li> <li>• Up to 2-ch @ 8MP or 4-ch @ 4MP or 8-ch @ 1080P decoding capacity</li> <li>• 1 HDMI and 1 VGA interfaces: both interfaces support independent video output HDDs for continuous video recording</li> <li>• Up to 256 Mbps incoming bandwidth</li> <li>• H.264 , MPEG-4, MPEG-4 ASP, MxPEG, MJPEG with adjustable compression levels.</li> <li>• System shall be able to record the original resolution and frame rate supplied by cameras.</li> <li>• It shall be possible to skip gaps during playback of recordings.</li> <li>• Allows definition of privacy masks on individual cameras to hide areas in the camera view which must not be visible or recorded.</li> <li>• Shall feature its own (not 3rd party) secure Mobile (iPhone &amp; Android) applications.</li> <li>• High availability required as a fail-over server.</li> <li>• Motion detection.</li> <li>• Three years manufacturers' original warrantee</li> </ul>	<p><b>2 devices:</b></p> <ul style="list-style-type: none"> <li>• One Up to 32-ch IP camera inputs</li> <li>• Up to 16-ch IP camera inputs</li> </ul>	

### 3- Network Structured Cabling System

Specifications	Quantity	Comply Yes/No For each
<b>Cabinet Equipment</b> <ul style="list-style-type: none"> <li>• Size cabinet 9U (600mm*600mm).</li> <li>• Wall Mount Removable, lockable side panels.</li> <li>• Cabinet shall be Glass front door, with locked.</li> <li>• A roof blanking plate fitted with at least two fans.</li> <li>• One Fused Power Distribution Units which shall come with 6 ways block with IEC three ways female sockets in IDF.</li> </ul>	2	
<b>Cat6 U/UTP Cable</b> <ul style="list-style-type: none"> <li>• cable must be support 1G on 90 meter length.</li> </ul>	Depend on number of ip camera	
<b>Pipe</b> <ul style="list-style-type: none"> <li>• Plastic PVC Pipe</li> <li>• Plastic Trunk Pipe</li> <li>• Installation All needed configuration and wiring</li> </ul>	Depend on number of ip camera	

### 4- Switches & Accessories

Specifications	Quantity	Comply Yes/No For each
<b>16 Port switches</b> <ul style="list-style-type: none"> <li>• 16 × 100 Mbps PoE ports, and 1 × 1000 Mbps combos.</li> <li>• IEEE 802.3at/af standard.</li> <li>• High priority ports.</li> <li>• Up to 250 m transmission distance.</li> <li>• PoE power management.</li> <li>• 100 Mbps network access.</li> <li>• Wire-speed forwarding and non-blocking design.</li> <li>• Store-and-forward switching.</li> <li>• Solid high-strength metal shell</li> </ul>	2	
<b>Point-to-Point</b> <ul style="list-style-type: none"> <li>• Wireless Standards IEEE 802.11a/n</li> <li>• Wireless Speed Up to 300Mbps (40MHz,Dynamic) Up to 144.4Mbps (20MHz,Dynamic)</li> <li>• Operation Modes AP / Client / Bridge / Repeater / AP Router Mode /AP Client Router (WISP Client) Mode</li> <li>• Wireless Security WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP) Encryption, 64/128/152-bit WEP Encryption</li> </ul>	1	
<b>Uninterrupted Power Supply</b> <ul style="list-style-type: none"> <li>• Up to 30 minutes' backup power for cabinet</li> <li>• Prevents data loss</li> <li>• Protects sensitive and valuable equipment</li> <li>• Must be Compact and reliable</li> </ul>	3	

