

المواصفات الفنية الخاصة بمنظومة كاميرات الرصد المرئي

(للمحلات التجارية)

(السوبر ماركت – الهيبير ماركت – محلات الملابس ... الخ)

➤ D e s c r i p t i o n

- The video surveillance system shall serve the purpose of security surveillance providing both clear Live and Recorded video.
- Video is provided by cameras located at positions identified on the drawings, covering the intended fields of vision. Contractor to furnish supplementary drawings showing coverage areas.
- The video surveillance system shall include but not limited to:
 - Outdoor/indoor Day/Night cameras fixed or PTZ.
 - Digital video management software.
 - Adequate internal or external Storage (NAS, SAN,...etc) if needed.
 - Display Monitors.
 - Necessary network components (Active and Passive).

TECHNICAL SPECIFICATIONS

ALL items must meet or exceed the mentioned specs

1- Video Storage and management system

The following specification is required for VIDEO STORAGE AND MANAGEMENT SYSTEM installed in Control Rooms and shall meet or exceed the following design and performance specification.

- ✓ Information supplied from the camera sources shall be digitally recorded simultaneously through Video Storage system.
- ✓ The VIDEO STORAGE AND MANAGEMENT SYSTEM should be able to store recorded video on any standard storage Media, The bidder should be able to choose the appropriate storage media for their application, such as a hard disk storage array, storage area network, video recorder or network attached storage.
- ✓ The VIDEO STORAGE AND MANAGEMENT SYSTEM should simultaneously record video, display live video, and display recorded video. None of the video operations should interfere with the other recording; it should not stop playback, live viewing, or storage of video.
- ✓ The VIDEO STORAGE AND MANAGEMENT SYSTEM should support event-based recording and/or should record on continues 24- hours basis.

- ✓ Recording the video from all cameras up to 15 days continuously with full resolution for each camera.
- ✓ The VIDEO STORAGE AND MANAGEMENT SYSTEM shall provide for digital zoom capability for any camera in live or playback mode.
- ✓ The Workstation Application shall provide the ability to control and program any protocol compliant camera equipped with pan, tilt controls and zoom lens:
 1. Manually control the pan, tilt and lens functions.
 2. Set the pan and tilt home positions for manual or alarm activation.
 3. Automatically control the cameras through an alarm Trigger.
 4. Ability to set multiple preset positions.
 5. Ability to set multiple tours.
 6. Adjust the zoom lens.
- ✓ The on screen display should have the option to be displayed or hidden as part of the camera view.
- ✓ Graphical indicators should alert the user to the type of recording occurring on any camera input.
- ✓ Indicators should alert the user if the video signal is lost or any camera is not recording or if during recording any camera is not functioning appropriately.
- ✓ Several user actions performed in the application and errors should be logged.
- ✓ A status bar should display information about the current date and time and the status of the storage disk.
- ✓ The VIDEO STORAGE AND MANAGEMENT SYSTEM should be connected to a display monitor for full control (record- play back- viewing).

2- Outdoor/Indoor PTZ Dome Day/Night Camera Specifications

- Image device 1/3 inch at least.
- Color: PAL.
- AGC switchable on/off.
- Day & night operation automatic switching between color and B/W modes depending on light intensity, mechanical IR cut filter removable.
- Resolution (640 x 480) pixels At Least.
- Built In optical zoom lens not less than 16x.
- Pan Angle 360° with continuous rotation .
- Tilt Angle 180°/90° with auto Flip .
- Should support WDR.
- Automatic White Balance, Gain Control.
- Focus: Auto/Manual Preferred.
- Automatic Electronic Shutter: Selectable on/off.
- Operating temperature 0 C → + 50 C.
- Enclosure IP 66.

3 – Outdoor/Indoor fixed Day/Night Camera Specifications

- Image device 1/3 inch At least.
- Resolution (640 x 480) pixels At Least.
- Minimum illumination ≤ 0.4 lux at color mode & ≤ 0.08 lux at black white mode.
- Day & night operation automatic switching between color and B/W modes depending on light intensity, mechanical IR cut filter removable.
- Back light compensation full range.
- Auto / manual iris.

- Auto white balance.
- Operating temperature 0 C → + 50 C
- IR illumination if needed.

4- Display Monitors

- Flat monitor
- Resolution: FHD not less than 1920X 1080
- 220 V /50 HZ
- DVI /VGA
- HDMI Interface

- Power Cables Specification

- Pure Copper/Preferred
- All Cables Outside Building Must Be Inside PvC Pipe.
- The Bidder Should Supply All Accessories for A/C Networks "Circuit Breakers, A/C Outlets ...Etc".

الإشتراطات العامة للمحلات التجارية

- ✓ الحد الأدنى من التغطية المناسبة في نظام المراقبة التلفزيونية يشتمل على الآتى:
 - مداخل ومخارج المحال التجارية.
 - أماكن التعامل مع الجمهور.
 - جميع أماكن التعاملات المالية (الخزينة – الكاشير).
 - واجهة المحال التجارية.
 - مناطق التفريغ والتحميل (المخازن) إن وجدت.
- ✓ يتم الإعتماد أساسيا في التغطية على الكاميرات الثابتة بشكل اساسى ، واستخدام الكاميرات المتحركة للحصول على صورة عامة (Overview) و تفاصيل أدق في حالة الحاجة لذلك .
- ✓ يفضل أن تكون الكاميرات الثابتة مزودة بخاصية الرؤية الليلية .
- ✓ يتم تسجيل كاميرات نظام المراقبة التلفزيونية لمدة ١٥ يوم بأعلى جودة للكاميرات طبقا للمواصفات الفنية .
- ✓ يفضل استخدام مانع إنقطاع الكهرباء (UPS) لضمان الحفاظ على كفاءة عمل النظام.
- ✓ يفضل توفير إضاءة مناسبة في مواقع تغطية الكاميرات للحصول على صورة واضحة.