

CNR SECURITY LTD.



Site Details

Randalls - Uxbridge

Randalls Store- Yard,
Cricket Field Road, Uxbridge
UB81QG.

Surveyor: Ram Chandralingam

Date: 25/07/2018

Design Proposal for the Installation of a CCTV System

This design is based on a survey of the premises and information available at the time, including any valuation(s) or other information provided by the customer or the customer's **representative** (e.g. insurer).

You are advised to consult with your insurer in relation to this CCTV System Design Proposal

Every care has been taken during the preparation of the proposal to ensure it complies with the requirements of current standards.

The location of equipment detailed in this proposal is referenced from the front elevation when facing the building.

Type of premises - **Commercial**

Nature of Business – **Building Construction**

System Overview

The system will consist of **six fixed position colour cameras** at specified locations. The cameras will be capable of being directed to pre-set positions. All cameras will be connected back to control equipment in a location to be agreed. The controls will consist of an 8 Channel DVR

Objective:- The objective of the proposed system is to give general **detection of people in all areas along with identification of people in specified areas** as follows:

1. Main walk through entrance door (external view)
2. Vehicle Entrance Gate
3. Public Footpath area vine street near walk through entrance
4. Public Footpath area vine street near roundabout
5. Public Footpath area cricket field road near roundabout
6. Public Footpath area cricket field road near gate

Cameras to be installed

Camera 1 – External weatherproof metal night vision – main Entrance

Camera 4Mega Pixel 4K ready 50m range Night vision camera

Lens 3.6mm wide angle lens

Objective **Face recognise** function

Output New Co-axial cable to be installed by CNR Security

Camera 2 – External weatherproof metal night vision – vehicle Entrance

Camera 4Mega Pixel 4K ready 50m range Night vision camera

Lens 3.6mm wide angle lens

Objective **Number plate reading** facility

Output New Co-axial cable to be installed by CNR Security

Camera 3 – External weatherproof metal night vision – Public Footpath area

Camera 4Mega Pixel 4K ready 50m range Night vision camera

Lens 2.8mm wide angle lens

Objective **wide angle long range** facility

Output New Co-axial cable to be installed by CNR Security

Camera 4 – External weatherproof metal night vision – Public Footpath area

Camera 4Mega Pixel 4K ready 50m range Night vision camera

Lens 2.8mm wide angle lens

Objective **wide angle long range** facility

Output New Co-axial cable to be installed by CNR Security

Camera 5 – External weatherproof metal night vision – Public Footpath area

Camera 4Mega Pixel 4K ready 50m range Night vision camera

Lens 2.8mm wide angle lens

Objective **wide angle long range** facility

Output New Co-axial cable to be installed by CNR Security

Camera 6 – External weatherproof metal night vision – Public Footpath area

Camera 4Mega Pixel 4K ready 50m range Night vision camera

Lens 2.8mm wide angle lens

Objective **wide angle long range** facility

Output New Co-axial cable to be installed by CNR Security

Recording Equipment

8 Channel DAHUA 4K ready Digital Video Recorder. This will require a 230V supply socket fitted within 18" of the unit.

The DVR would have a 6TB (terabyte) hard drive installed

Benefits

- 1. CCTV Monitor 32" onsite near the Recorder is helpful for instant checking.**
- 2. Watch From Mobiles and Computers anytime.**
- 3. Free Additional Camera can be installed if anything need inside or outside building**

System Specification

Digital Video Recorder



XVR5204/08/16A

4/8/16 Channel Penta-brid 1080P-Lite 1U Digital Video Recorder

- > Embedded processor
- > H.264+/H.264 dual-stream video compression
- > Support HDCVI/AHD/TVI/CVBS/IP video inputs
- > Max 6/12/24 channels IP camera inputs, each channel up to 5MP
- > Max 24/48/96Mbps Incoming Bandwidth
- > Smart Search and Intelligent Video System



System Overview

Dahua, as a technology leader, is always the first ever developed the shining new technology in the security industry, and today we present XVR-S2 Series. As the perfect solution to upgrade

existing video surveillance systems, XVR supports penta-brid access technology such as HDCVI, AHD, TVI, CVBS and IP to effortlessly integrate with popular industry formats, offering an affordable solution loaded with flexible options. It supports up to 4/8/16 channels of HDCVI/AHD/TVI/CVBS inputs, and 2/4/8 channels IP camera additionally, 8 channels local liveview channels, and 8 playback channels. Designed as a full compatibility product, XVR is able to provide end user the simplicity of HD or analog system, namely lower system cost, simple installation and use of existing cable. It is ideal for a wide range of applications such as public safety, retail store, transportation, home protection and education.

Functions

Smart H.265, H264+

Smart Codec, H.264+ can reduce up to 70% bit rate and storage requirements without having to invest in new cameras.

HDCVI/AHD/TVI/CVBS Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

Spot Output

(XVR5216A-S2) It is made for a secondary monitor. This allows the operator to view one special monitor that assigned to selected cameras or video inputs from higher security areas.

Smart Search

This function helps you get more motion detect video during a short time through drawing a region when playback. It is very useful when an emergency occurs.

8MP Resolution the XVR supports up to 8MP HD resolution (2560 x 1920) IPC input for recording, live viewing.

Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the XVR has the ability to detect and analyze moving objects for improved video surveillance. The XVR provides optional standard intelligence at the edge allowing detection of multiple object behaviours such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed.

Face Detection

It is a type technology being used in a variety of applications that search or identify individuals which show front cameras. Smart Search This function helps you get more motion detect video during a short time through drawing a region when playback. It is very useful when an emergency occurs.

High performance chip provides perfect image quality with better colour reproduction.

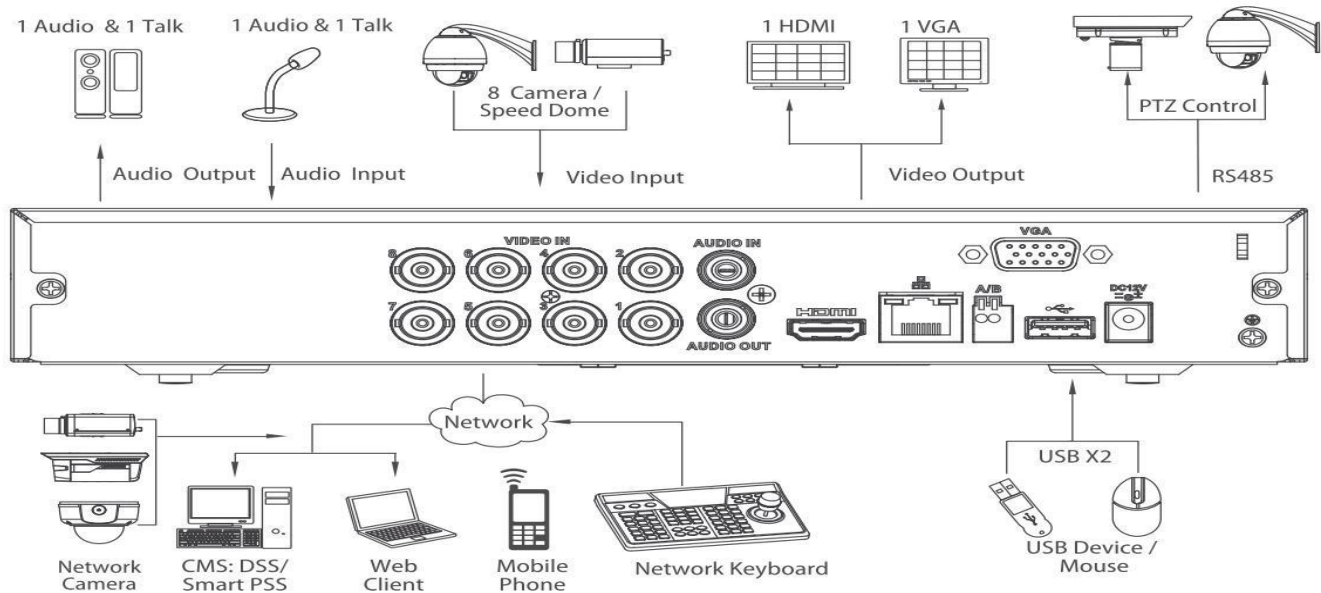
Monitoring & Online Viewing Facility

dmss software can be download via mobile app store.

For android phones – gdmss lite for Apple phones –

idmss lite

For computers Smart PSS software can be download from Dahua security website.



4MP 4K Ready HD Camera



HAC-HDW1400EMP

4MP
HIGH DEF

1080P
30fps

2.8 mm
FIXED LENS

IP67
Weatherproof



System Overview

Experience superior 4MP video and the simplicity of reusing existing coaxial infrastructure with HDCVI. The Lite series 4MP HDCVI camera features a compact design and offers a high quality image with rich details at a friendly price.

- Max 30fps@4MP
 - HD and SD output switchable
 - 3.6mm fixed lens (2.8mm, 6mm optional)
 - Max. IR length 50m, Smart IR ·
- IP67, POC/DC12V

Simplicity HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network. Smart IR The camera is designed with array LED IR illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination.

Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

CCTV and Camera locations during the construction

