

Anyang City Hall ITS

U-INTEGRATED CONTROL ROOM IN ANYANG METROPOLITAN CITY HALL

Anyang City Hall made use of HD-CCTV solution of Comart System including HD-CCTV camera in the process of infrastructure ITS for the U-Integrated Control Room. Based on the high resolution video data, it is now possible that Anyang City Hall is able to deal with every situation in time concerning how the transportation and other emergency system go on.



Intro

U-Integrated Control Room in An-Yang Metropolitan City Hall

Location: Main Intersections and road
Installed Model: HDcctv camera (HDC-SD210AV)

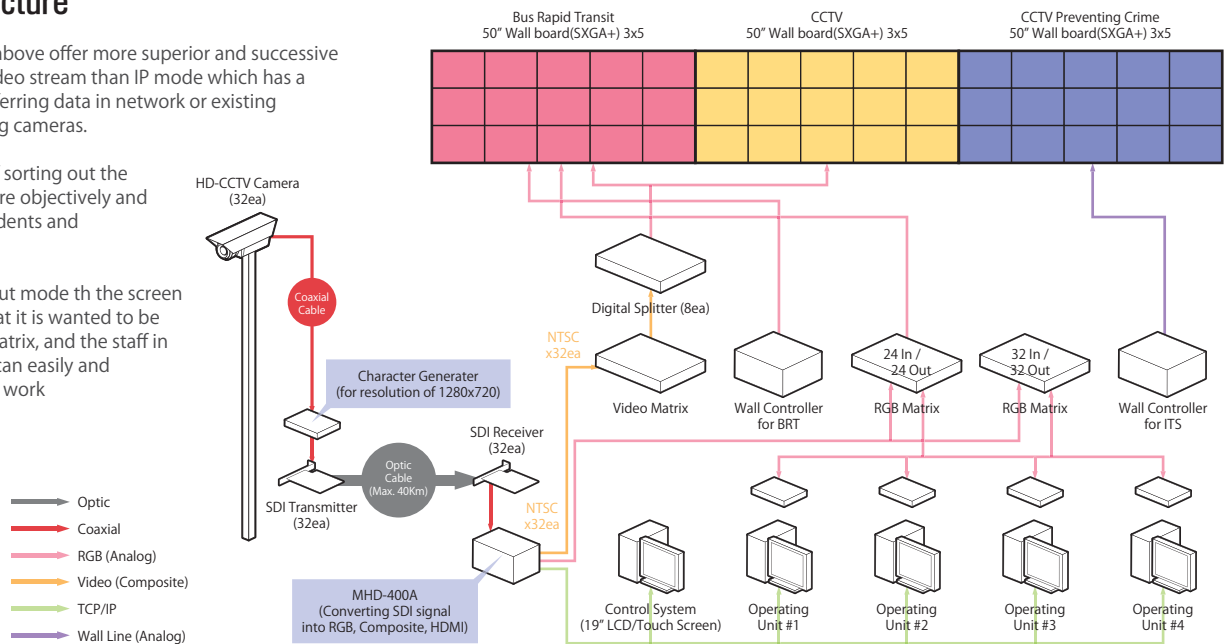
Transmission: High Definition video stream captured by HDC-SD210AV model turns into SDI signal then going through the character generator.
The signal is transferred into the control room in Anyang City Hall "Monitoring Centre" through optical network(Max 40Km).
The received signal gets through MHD-400AV to turn into a variety of signals like SDI, RGB, Composite and HDMI.
Afterward, the video signals go through video matrix or RGB matrix and be divided into up to four video streams on the screen by HDS(High Definition Splitter) then the video signal can be transferred via network to other monitoring centres for monitoring, and also able to control PTZ camera by connecting control PC.

System Structure

The components above offer more superior and successive high resolution video stream than IP mode which has a limitation in transferring data in network or existing system with analog cameras.

It gives benefits of sorting out the procedure out more objectively and rapidly about accidents and emergencies.

Moreover, video out mode th the screen is adjustable to that it is wanted to be through HDS or Matrix, and the staff in the control room can easily and efficiently do their work



Benefits

1. Surveillance of Crossroads in Real Time

By applying transferring interface, SDI, the video data is to be transferred without delaying and buffering. It makes the work more easily for the staff to watch over the happenings and respond to them rapidly.

2. High Resolution Video Collectible

For the first time domestically, the Traffic Control System introduced HD-CCTV cameras to not only acquire high resolution video data of traffic accidents and crimes happening in crossroads and streets but also decide what is right and wrong as evidence in a tribunal.

3. Efficient Work Performance

By using HDS, it is available for division of screens and for surveillance and control of the whole areas installed with the cameras simultaneously as well as surveillance to focus on a particular area by adjusting division mode.



Highway Application

KOREA EXPRESSWAY CORPORATION

The Korea Expressway Corp. has installed HD-CCTV Solution of Comart System in freeway from Dangjin to Daejeon and Gongju to Seocheon sections. Now they can monitor the real-live traffic via HD-CCTV.



Intro

The Korea Expressway Corp. has installed HD-CCTV Solution of Comart System in freeway like Dangjin to Daejeon and Gongju to Seocheon. Now they can monitor the traffic through the HD-CCTV.

The configuration below is HD-CCTV Solution by Comart System and consists of the entire system which shows between the field and Monitoring centre.

You can see and understand where the equipment are located and how the data moves from the field to Monitoring centre.

System Structure

The video stream coming from HD-CCTV in the field is sent to the Monitoring centre through character generator and encoder after being conveyed into MCG-100ANE. In Monitoring centre, the data sent by MHSC-100AND is transformed into SDI through decoding. Video converter outputs various signals like SDI/RGB/HDMI by converting SDI. Of these signals, SDI gets through HD splitter and then comes out to the monitor in Monitoring centre for a high quality of video. Like the way above, the video is transmitted from the field to Monitoring centre, and the image below is the actual view of the installation in the playing field.

