

Main Features

Features

- ◆ More than 40 External Cameras
- ◆ 6 Control Centres
- ◆ Remote Digital Recording & Playback
- ◆ Remote P/T/Z Camera Control



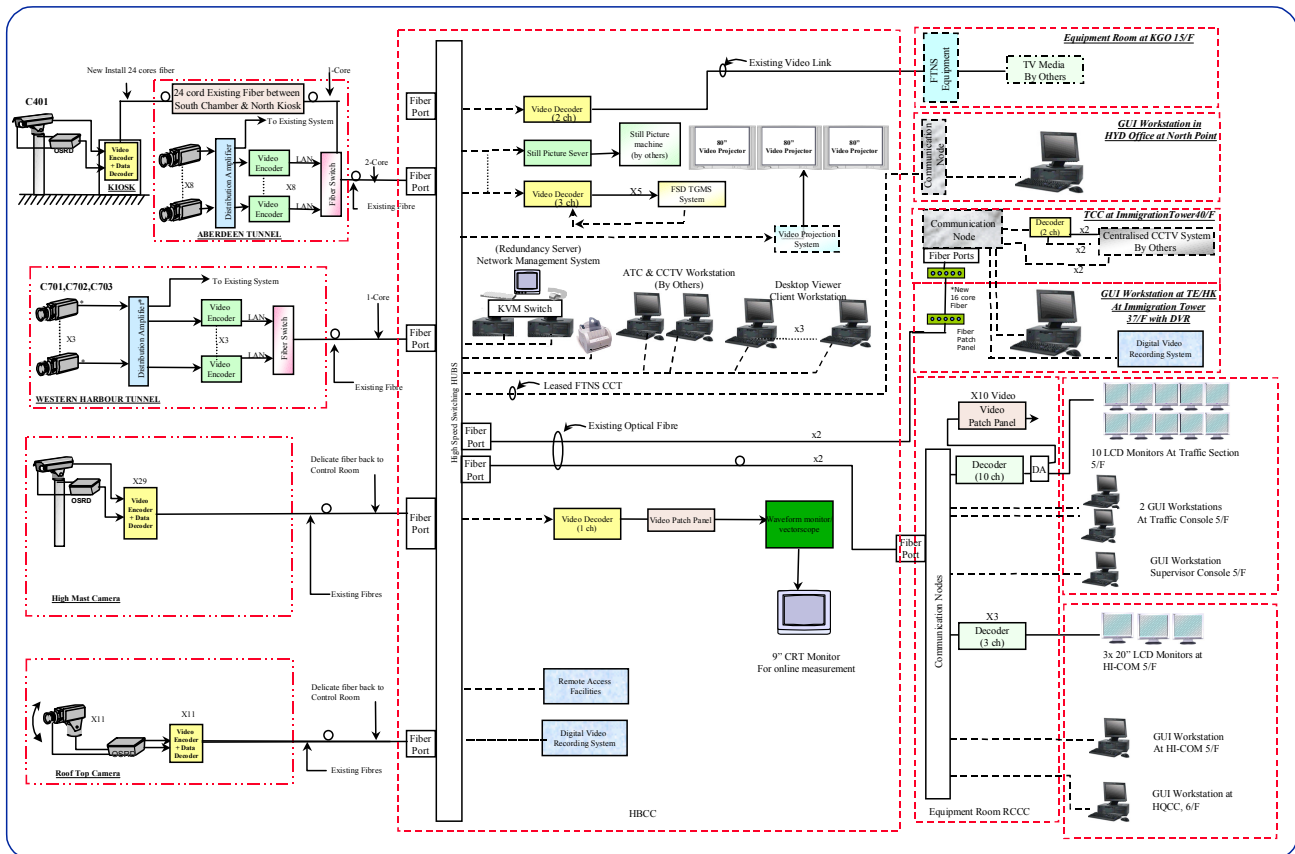
Challenges:

UniVision has implemented the first Digital Area Traffic Control CCTV System which monitors major road traffic areas on Hong Kong Island. This is the first large scale Digital CCTV system, procured by the government. It is expected the systems will enable the: Police, Highways Dept. and the Traffic Engineering Divisions to manage the traffic flow more effectively than was previously possible.

There are a total of six control centres included in the design and distributed across a wide geographic area including the: Main Control, Traffic Control, the: Regional Police Command Control, the: Regional Office of Highway Department, Regional Office of Traffic Engineer and the: Traffic Control Division.

Solution:

MPEG-4 Video Encoders and Decoders are used for digital video compression and transmission. An Ethernet network is provided for the CCTV system. The network will link up all the associated equipment included in the design. Video streaming and camera control data equipment status information is also transmitted through the network.



The above figure shows the overall CCTV design which includes: The Primary and Secondary Monitoring Systems. The Primary System (Main Control) is the Central CCTV Control Centre. All signals are transmitted to this monitoring site using TCP/IP protocol. Selected camera video signals are also recorded by a: Network Video Recorder. The secondary surveillance centre(s) include all other remote control locations and are enabled to view cameras or provide sequential viewing at full resolution for playback or in the case of alarm events.