HKT Here To Serve

Networked Video Surveillance Solution

As a leading ICT service provider, HKT provides an advanced networked video surveillance solution so companies and site managers benefit from monitoring and video data analysis – all to empower better decision-making.

If you want to find out more about our Networked Video Surveillance Solution, please contact your Account Manager.

Capture Every Moment. Make Smarter Decisions

Networked Video Surveillance facilitates monitoring and gathering useful intelligence

a *PCCW* Group member

Video Surveillance in A Networked Era

Video surveillance has undergone a revolution to become an essential IP network-based business tool.

Key considerations are now connectivity, bandwidth and network security, as well as equipment specifications such as camera resolution and bit rates.

HKT's IT and network planning strength has created the Networked Video Surveillance Solution – one of the most resilient such offerings on the market today.

Video capture

◆ **Surveillance monitoring**
- IP camera covers multiple locations, even rural areas
- Video captured for analytics

◆ **Secure access control**
- Security system benefits from IP cameras and real-time monitoring of door entries

Recording platform

◆ **Video management system**
- Enables centralized monitoring and recording across multiple sites, plus systems integration for video analytics

◆ **Recording platform** hosted at SkyExchange for system resilience

Video monitoring

◆ **Operations center**
- Design and build of video wall to feature video from various sources
- Centralized control panel for ease of operation, backtracking of events and speedier visual verification and response

◆ **Remote monitoring system**
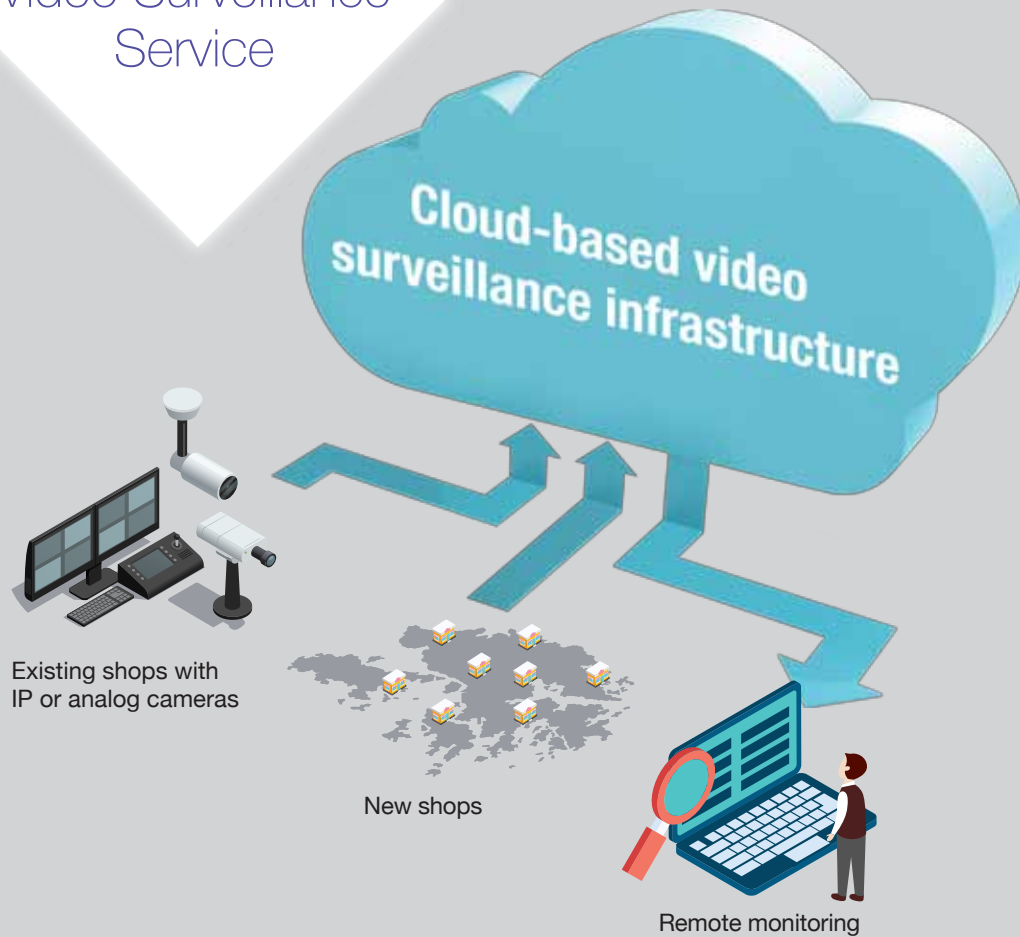- Real-time monitoring or review of recorded events at any site with any device, anytime, anywhere

HKT Networked Video Surveillance Solution

Our superb network connectivity supports every element of a solution

◆ 3G/4G, Wi-Fi and Internet connectivity at multiple sites
◆ Streaming from video sources to recording platform then end users
◆ Connectivity and solution design compatible with existing system infrastructure

Managed Video Surveillance Service

Cloud-based video surveillance infrastructure

Existing shops with IP or analog cameras

New shops

Remote monitoring

- ◆ Hybrid platform combining analog and IP CCTV systems makes it easy to renovate existing shops or establish new outlets
- ◆ Keeping video and system in the cloud facilitates secure central monitoring
- ◆ Intelligent bandwidth management facilitates bandwidth scheduling

Four Levels of Unprecedented Monitoring Coverage

Network safeguarded by iSOC

- ◆ Constantly monitors network security status
- ◆ Identifies network hacking and Denial Of Service (DDoS) attacks, diagnoses issues and makes solution recommendations

HKT proactively monitors your IP and access control system

- ◆ Constantly monitors status of all IP-based equipment
- ◆ Reports 24/7 and delivers first-line support

Recorded material protected and stored at HKT SkyExchange

- ◆ Flexible video archiving and back up
- ◆ Expandable cloud capacity ensures almost zero downtime
- ◆ Cloud-hosting platform enables system resilience and disaster recovery

Assets monitored by widespread coverage

- ◆ Multiple-site monitoring
- ◆ Installation by certified professionals
- ◆ Integration of video cameras and access controls
- ◆ Rigorous equipment and connectivity testing before implementation

1. Analytics information can be used by an organization to serve business purposes

2. Integrate real-time data from IP cameras with analytic servers and systems such as CRM and ERP

Video Analytics
and
Business Intelligence

3. Build a data warehouse

Surveillance cameras are commonly associated with monitoring, but operations or marketing departments are now collecting data from in-store IP cameras for analysis and to act on results.

Integrating such data with CRM and ERP systems enables an organization to build a better understanding of customer behavior, while identifying profitable areas and consolidating risk factors to optimize business strategies.

4. An organization can view reports on demand

5. Generate predictive intelligence and adjust business strategies accordingly

Retail shops equipped with video analytics solutions enable creation of more targeted promotions

Detection of customer demographics
◆ This can be integrated with digital signage so content that matches gender and age of browsing shoppers can be displayed

Face recognition
◆ Systems integrated with CRM facilitate identification of VIPs, so sales staff can tailor greetings and offers

Target path and people counting
◆ Movement of people can be recorded and numbers of people counted at any point provides information that helps retailers allocate resources to best effect

Heat map
◆ Analyze people density so advertising POP material can be positioned to best tactical effect

Extra 20% For VIP

Diverse camera options
◆ Depending on clarity and storage needs. Choose from cameras of varying HD image quality

Network video recorders (NVR)
◆ An easy-to-use recording system for single location   recording over 30 days

Access control
◆ **Tighten security with video**
  - Security staff can zoom-in on people trying to gain access. Images are matched with staff ID data which is integrated with the access control system and cameras. An alarm is triggered by any suspicious attempt at entry
◆ **Double authentication with biometrics**
  - Facial recognition and fingerprint technologies are used to authenticate rights of access
◆ **Intelligent bandwidth management**
  - Schedules video uploads for non-peak hours

Monitoring
◆ Surveillance can be monitored on mobile devices anytime, anywhere

Effective even when network coverage is limited
- Makes the best of limited network bandwidth by uploading video to the centralized platform during non-peak hours

Thermal imaging
- Monitors sites in poorly-lit conditions
- Site intrusion triggers PTZ camera surveillance, flashing light alarms and/or SMS alerts
- Search for, and playback recordings of intrusion events

- **3G/4G cameras** connect wirelessly via HKT mobile connectivity

Alert triggered when
- Camera is tampered with intruders
- Individual loiters for suspicious duration
- Number of people exceeds limits in certain areas

- **Face recognition** of blacklisted persons