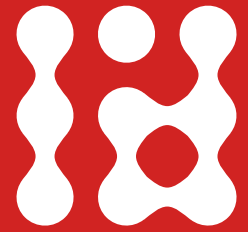


Video Surveillance Solution
with a **Personal Touch**



Company & Product Catalog

OUR COMPANY

Instek Digital is a video surveillance business unit of Good Will Instrument Co., Ltd. and focus on the development of high quality digital surveillance solutions. The company has inherited over 20 years of surveillance experience. The company has 42 years of electronics R&D and manufacturing experience and is listed on the Taiwan Stock Exchange. Instek Digital has the luxury to be part of a company with such great legacy and expertise.

The brand Instek Digital is an enterprise open platform video surveillance solution. The principles of success are based on: Scalability, Reliability, Simplicity and Personalization. Working intensively with partners and customers, Instek Digital has created a successful business model. This has resulted in small and large projects that are deployed around the world.

Instek Digital product portfolio includes central management, video monitoring, VMS, video recording, archiving, storage, local display and video intelligence. These solutions are a result of being in the heart of the IT-industry and having an in-house software development team.

Finally do not hesitate to ask for any customization of the standard solutions. Instek Digital will work closely with you to make any project a success.

Instek Digital offers video surveillance with a
PERSONAL TOUCH.



VALUE proposition



PRODUCT PORTFOLIO

wide array of advanced
turnkey video surveillance
solution from video
recording to
central management



CORE COMPETENCE

open platform solution with
a distributed architecture
and scalable for
easy future expansion



COMPETITIVE VALUE

affordable enterprise
video surveillance solution
based on local sourcing, software
embedded hardware and
customized Linux OS



DESIGN CONCEPT

problem solving oriented



COLLABORATIONS

working closely with industry
leading partners and
offering free SDK for
third-party integration



GLOBAL SUCCESS

over 4,800 successful projects
deployed worldwide

CORE COMPETENCE

With our state-of-the-art hardware design, comprehensive software functionalities and leading security technology, Instek Digital provides a one-stop solution for projects with unlimited number of cameras. Instek Digital is true open platform, which makes it easy to integrate other surveillance with Instek Digital's solution. Instek Digital provides one of the most flexible and easy to expand surveillance solution on the market.



INTEROPERABILITY

incorporate heterogeneous systems with video surveillance



WIDE ARRAY OF SOLUTIONS

from software to turnkey solution, from video recording to VMS to video intelligence



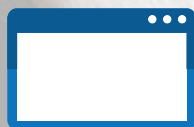
CUSTOMIZATION

meet any project requirement to fully fulfill our customer needs



FREE SDK

open software development kit (SDK) for third party application



USER-FRIENDLY GUI

simplified & efficient for new and experienced users



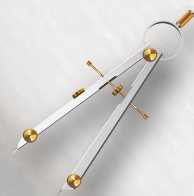
LINUX

customized X86 Linux OS to ensure performance and reliability



SCALABILITY

easily expand a project as it grows by time



DISTRIBUTED ARCHITECTURE

no single point of failure, failing devices are easily repaired or replaced



OPEN PLATFORM

supporting ONVIF Profile S which can easily connect to 7000 products

TRIPLE S

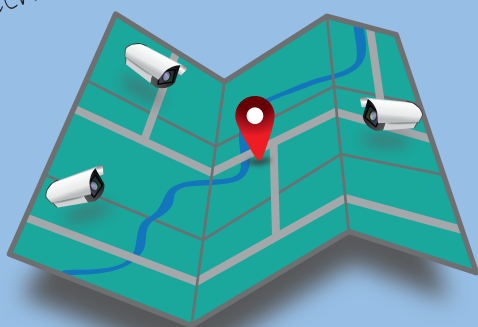
Ensuring security managers to take the correct action, video surveillance solution are required to be smart, stable and secure. With Triple S, Instek Digital combines the latest technologies and market solutions with its innovate video surveillance solution. This results in that incidents can be solved faster and more accurate, without system failure or video-data tampering.



- **Automatic Security Notification**
the system will automatically notify the user to change the password regularly
- **Data Encryption**
provide privacy and data integrity between server and client, based on RSA.
- **QoS (Quality of Service)**
prioritize stream request, in case the network is overloaded.
- **Customized Linux OS**
configured to allocate more resources to demanding tasks and Linux is more secure than any other OS
- **Network Redundancy**
increase network availability
- **Video Intelligence**
analyse video based on pre-defined criteria
- **Integrated CCTV positioning**
locate a person in combination with video and/or audio
- **Access Control System**
match video-data with user profile
- **High System Availability**
fail-safe for video surveillance, which reduces risk and minimizes downtime

What's NEW?

SmartTrace
easy trace objects
with video-images

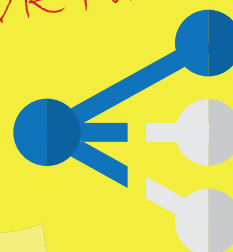


Data Encryption
secure video-data between
server and client



Instek Digital
mobile NVR

NVR Failover



never worry about
any video-loss

**Access Control
System integration**



combine video-data
with ACS metadata

3RD STREAM



more flexibility selecting
a video stream

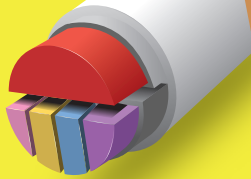


**Intercom
Integration**

view intercom video
on Command Center

QoS

quality of service



optimize network
throughput and prioritize
user applications

INDOOR POSITIONING



follow or locate a
person utilizing
RF and
combine this
with video-data

magnetic | map

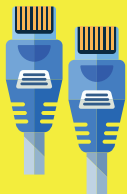


combine maps
utilizing altitude
and latitude

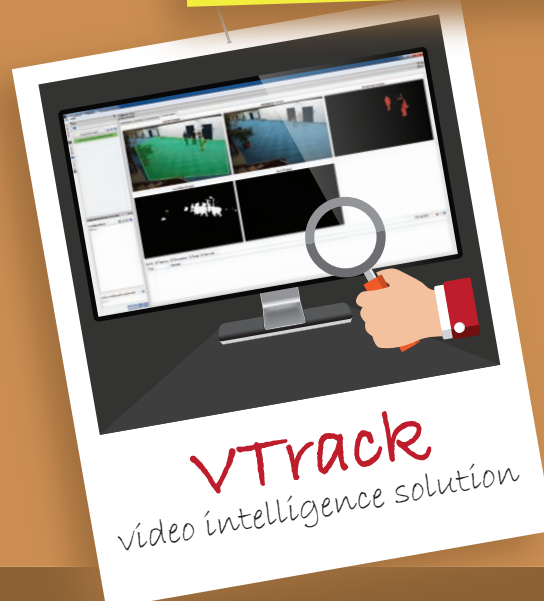
TWALLWIZ

easily view and
management
a TV-wall

Network Redundancy



maximize throughput /
network assurance /
reduce downtime



VTrack

video intelligence solution

VERTICAL SOLUTION TRANSPORTATION

Mass transit systems, airports, subways, city buses, and train stations are all face threats, such as: petty crime, harassment, liability suits and vandalism. Instek Digital's solution are designed to insulate transportation environments from threats and make it a safer place for staff and passengers.

Demand Transportations Video Surveillance:

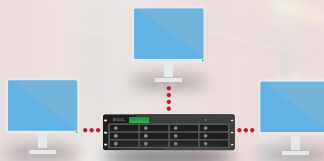
- scalable for future expansion
- central manageable
- guarantee staff and travellers safety
- detect forgotten items
- user authentication
- prevention of non-paying customers
- availability of evidence in case of incidents
- high performance TV-wall solution
- open platform

Instek Digital Transportation Solutions:



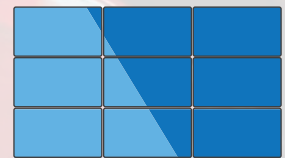
Global Administrator

centralized user, device and alarm management



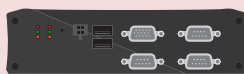
Streaming Manager

optimize bandwidth consumption when multiple users view the same video channel



nCCTV HD

advanced TV-wall solution supporting up to 10 displays on one server



Mobile NVR

NVR onboard on the vehicle



Directory Service

authentication and authorization of user access



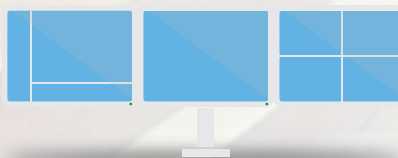
VTrack

intelligent video surveillance (left object, panic disorder, slip fall, gateflow)



CCMobile

video surveillance 24/7 from Android smartphone or tablet, iPhone and iPad



Command Center

powerful video management solution, which is scalable with the project



Watermark

no tempering with the video footage and prevents fraud

VERTICAL SOLUTION

GAMBLING

The gambling environment is vulnerable to criminal activity and fair play, that is why properly monitoring is very important. The flow of people and money is constant, upping the risk of incidents.

Demand Gambling Video Surveillance:

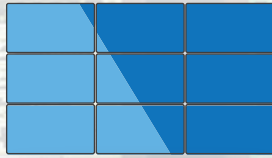
- video intelligence
- prevent trespassing
- monitor suspicious players
- prevent theft
- guarantee gaming regulations
- monitor popular areas

Instek Digital Gambling Solutions:



Command Center

powerful video management solution, which is scalable with the project



nCCTV HD

advanced TV-wall solution supporting up to 10 displays on one server



VTrack

intelligent video surveillance (hot zone, face detection)



NVR

maximum recording and storage supporting up to 128 cameras



Access Control System

prevent unauthorized access



CCLite

remote monitoring



Archive

backup vital video-data from an NVR



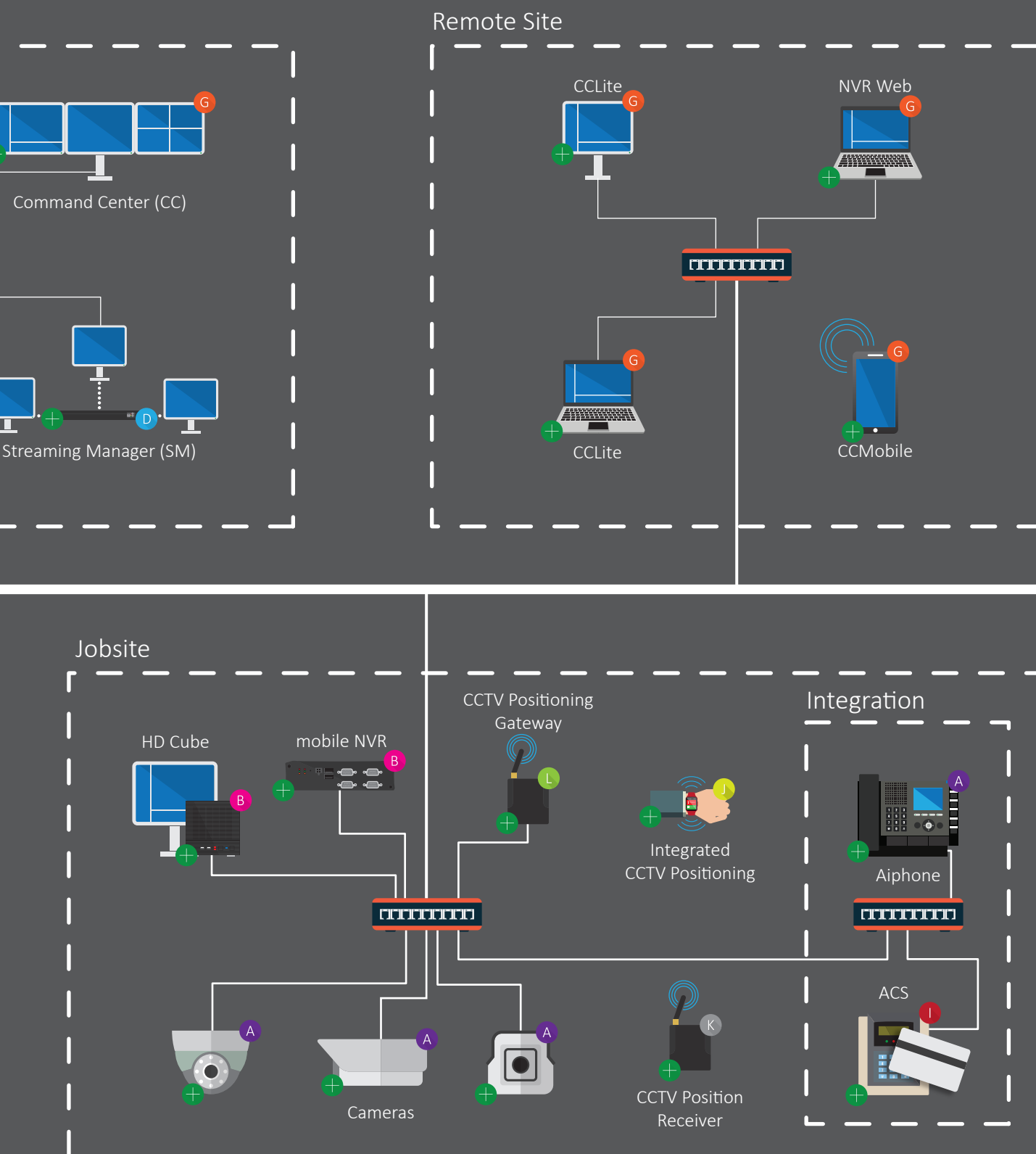
CCMobile

video surveillance 24/7 from Android smartphone or tablet, iPhone and iPad

Local display A > B
 Live / Playback A > B > G
 Viewing by multiple clients A > B > D > G
 Storage A > B > C > G
 Access Control I > A > G

Archive B > E > G
 Central management A > B > F > G
 Video intelligence A > H
 Integrated CCTV positioning J > K > L > G

A camera B recording C storage D relay E archive F management G client H analytics I entrance J positioning device K positioning receiver L positioning gateway



VERTICAL SOLUTION

CITY SURVEILLANCE

Cities are facing many threats on a daily base, such as theft, assaults, drug dealing, gun violence, terror attack or pick pockets. Only law enforcements are not able to handle an entire city's safety. That is why city officials have decided to support them with video surveillance solution.

Demand City Surveillance:

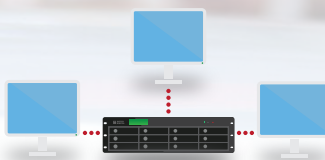
- prevent crime
- open platform
- central manageable
- view the same stream by multiple users concurrently
- high performance TV-Wall solution
- video intelligence
- 24/7 accessible and on the road
- prevent unauthorized access of government buildings

Instek Digital City Surveillance Solutions:



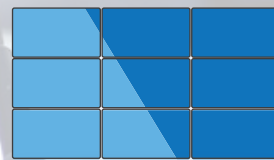
Global Administrator

centralized user, device and alarm management



Streaming Manager

optimize bandwidth consumption when multiple users view the same video channel



nCCTV HD

advanced TV-wall solution supporting up to 10 displays on one server



Command Center

powerful video management solution, which is scalable with the project



NVR

maximum recording and storage supporting up to 128 cameras



Archive

backup vital video-data from an NVR



Access Control System

prevent unauthorized access



CCLite

remote video surveillance



VTrack

intelligent video surveillance (stationary vehicle, panic disorder, loitering, wrongway)

VERTICAL SOLUTION

HEALTHCARE

Video surveillance within healthcare is effective not only for security, but also for cost control. It helps to monitor the environment and protect staff and patients, but also provide valuable visual evidence that can be used to increase productivity and prevent dishonest claims.

Demand Healthcare Video Surveillance:

- ensure staff and patient safety
- guarantee health and safety standards
- prevent unauthorized access
- notification in case of incidents
- viewing cameras by multiple users
- access by any computer or on-the-go

Instek Digital Healthcare Solutions:



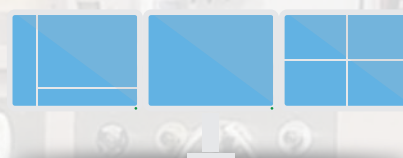
Access Control System

prevent unauthorized access



Indoor Positioning

indoor positioning solution with video-data



Command Center

powerful video management solution, which is scalable with the project



nCCTV HD

advanced TV-wall solution supporting up to 10 displays on one server



NVR

maximum recording and storage supporting up to 128 cameras



Archive

backup vital video-data from an NVR



VTrack

intelligent video surveillance (intrusion, panic disorder, face detection)



CCMobile

video surveillance 24/7 from Android smartphone or tablet, iPhone and iPad

VERTICAL SOLUTION

SCHOOL SECURITY

School security has been a hot issue in the 21st century with numerous news stories broadcasted showing young lives at risk. To minimize incidents from happening or limit casualties, video surveillance is the answer.

It is critical to monitor the campus for incidents or intruders and respond to it promptly.

Demand School Security:

- prevent trespassing
- ensure staff and student safety
- prevent students from acting out / misbehaving
- visitor management

Instek Digital School Security Solutions:



VTrack

intelligent video surveillance
(panic disorder, slip fall)



Command Center

powerful video management
solution that supports unlimited
of NVR's and cameras



Indoor Positioning

indoor positioning solution
with video-data



Access Control System

prevent unauthorized
access



NVR

maximum recording
and storage supporting
up to 128 cameras



CCMobile

video surveillance 24/7
from Android smartphone or
tablet and iPhone or iPad

VERTICAL SOLUTION

BANKING

Banks are often seen as the most secure institutions on the planet. Money is entrusted to them and it is their job to keep it safe. To make this happen, video surveillance systems are a necessity. Instek Digital plays a key role in delivering top-notch video surveillance solutions.

Demand Banking Video Surveillance:

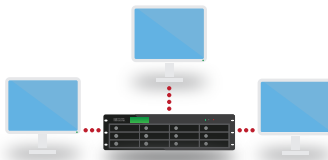
- ensure staff and client safety
- vault security
- prevention from fraud of staff and client
- crime investigation
- prevention of check fraud
- solve 'phantom ATM withdrawals'

Instek Digital Banking Solutions:



Global Administrator

centralized user, device and alarm management



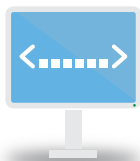
Streaming Manager

optimize bandwidth consumption when multiple users view the same video channel



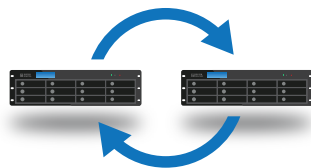
Command Center

powerful video management solution, which is scalable with the project



Metadata Processing

entrance transaction based metadata processing



NVR Failover

redundant NVR solution ensuring continuous video recording



Edge Recording - Video Reclaim

never lose any video and automatically retrieve video from camera to NVR



Archiving

backup vital video-data from an NVR



Data Encryption

cyber security for financial institutions transmitted video data between client and server will be encrypted

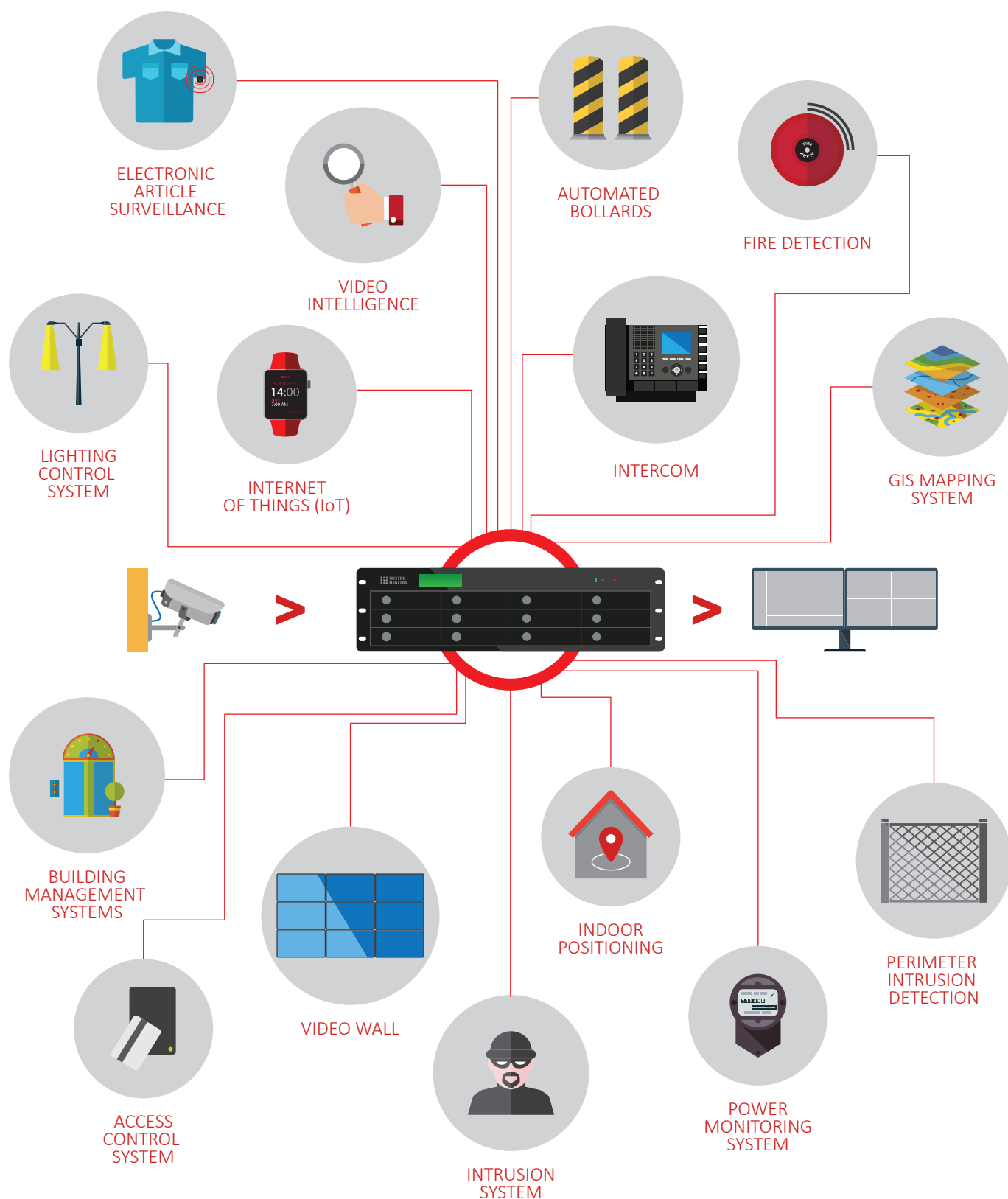


VTrack

intelligent video surveillance (ATM and skimmer detection)

INTEROPERABILITY

Instek Digital video surveillance solution goes far beyond video surveillance only. The open platform architecture allows many other solutions to be incorporate for security, process optimization and cost efficiency. Different vertical markets have different requirements and combining Instek Digital's solution with other third-party solutions, it creates an interoperable solution.



WORLDWIDE SUCCESSFUL PROJECTS



AND MANY MORE...

PRODUCT OVERVIEW

 **GLOBAL ADMINISTRATOR (GA)** | centralized user, device and alarm management

Model number	GA5403-1U	GA5402-1U	GA5401-1U
User license	100	50	30
Channel license	1,000	500	200

 **STREAMING MANAGER (SM)** | solution for bandwidth optimization

Model number	SM5402-1U	SM5401-1U
Transcoding performance	32 D1 to 32 CIF	16 D1 to 16 CIF
Relay performance	200 in / 200 out	200 in / 200 out

 **NETWORK VIDEO RECORDER (NVR)** | solution for recording & streaming

Model number	NR5400-4U ¹	NR5400-3U	NR5400-2U	NR5400-1U	NR3800-2U
Camera channels	16 / 32 / 48 / 64 / 128	16 / 32 / 48 / 64 / 128	16 / 32 / 48 / 64 / 128	16 / 32 / 48 / 64 / 128	16 / 32
HDD bays	24 swappable	12 swappable	8 swappable	-	4 fix

Note: available is also NVR Failover pack.

¹ Coming soon.

 **HD CUBE** | nvr with local display

Model number	NR5416-C4	NR5409-C4	NR5404-C4
Camera channels	16	9	4
HDD bays	4 swappable	4 swappable	4 swappable

 **MOBILE NVR** | vehicle NVR solution

Model number	VN5616	VN5609	VN5604
Camera channels	16	9	4
HDD	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA

 **ARCHIVE SERVER (AS)** | mirroring solution

Model number	AS5400-4U	AS5400-3U	AS5400-2U	AS5400-1U
Camera channels	16 / 32 / 48 / 64 / 128	16 / 32 / 48 / 64 / 128	16 / 32 / 48 / 64 / 128	16 / 32 / 48 / 64 / 128
HDD bays	24 swappable	12 swappable	8 swappable	-

EXTERNAL STORAGE | network storage

Model number	DS2300-IP	DS2300R-IP	DS2300-JB	DS2300R-JB
Host interface	4 x iSCSI 1 GB/s	2 x (4 x 1GB iSCSI ports)	2 x SAS 6 GB/s	2 x (2 x SAS 6 GB/s)
Max. drives	12 / 16 / 24	12 / 16 / 24	12 / 16 / 48 / 60	12 / 16 / 48 / 60
Max. drives via JBOD	312 / 316 / 324	316 / 316 / 324	-	-

EXTERNAL STORAGE | sas storage

Model number	DS3216-SA	DS3212-SA	DS3216-JB	DS3112-JB
Host interface	2 x SAS 12GB/s	2 x SAS 12GB/s	2 x SAS 12GB/s	2 x SAS 6GB/s
HDD bays	16 hot-swappable ²	12 hot-swappable ²	16 hot-swappable ²	12 hot-swappable ²

² Under RAID mode.

COMMAND CENTER | video management solution

Model number	MV-CC5404
Function	video management solution
Monitor output	4

nCCTV HD | TV-wall solution

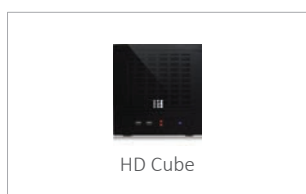
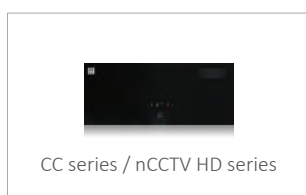
Model number	NC5410-HD	NC5406-HD	NC5402-HD
Display performance	D1 x 147 CH (4410 fps)	D1 x 114 CH (3420 fps)	D1 x 70 CH (2100 fps)
Monitor output	10	6	2

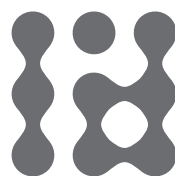
VTRACK | intelligent video surveillance

Model number	RV3900-2U
Accuracy	90% + ³
Functions	intrusion, occupancy rate, ATM, stolen object, loitering, slip fall, wrong way, smoke fire, thermal, LPR, parking lot, lack refill, PTZ standalone, PTZ plugin, gate flow, area accounting, counting, hot zones, left object, stationary vehicle, panic disorder, face detection, skimmer

³ May vary under different environment and/or configuration.

Random product photo



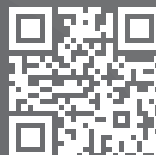
**Office & Post Address**

3F- No. 7-1, Zhongxing Road
Tucheng District- New Taipei City
236- Taiwan
Telephone: +886 2 2268 9939
Fax: +886 2 2268 9355

E-mail Contact

sales: sales@instekdigital.com
technical: support@instekdigital.com
general: instek@instekdigital.com

INSTEKDIGITAL.com



Company & Product Catalog