INSTEK DIGITAL

Amplify Enterprise Video Solutions

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ABOUT Us

Instek Digital Co., Ltd.

Instek Digital is a spin-off from GW Instek's surveillance division and focus on the development of high quality digital surveillance solutions. The company inherited over 20-years of surveillance experience. As an independent company – Instek Digital has the luxury to be supported by GW Instek. The mother company has over 30-years of electronics R&D a manufacturing experience and listed on the Taiwanese Stock Exchange.

Instek Digital offers a wide array video surveillance software and hardware – under the brand of Instek Digital. The core design are based on the following principles; "User-Friendliness", "Scalability" and "Reliability". Instek Digital's solutions are based on an open platform – creating seamless third party integration. With this concept Instek Digital has created a business model that can meet every aspect in today's surveillance demand. The results speak for themselves – based on small and large projects that we have deployed around the world.

VALUE Proposition

Product Portfolio

- Turnkey Solution
- (h)DVR and NVR
- Back Up Functionality
- Video Management Software
- Centralized Managemt Software
- Real-Time Video Analytics
- Video Monitoring & Management
- External Storage
- Video Server
- Mobility

Core Competence

- Open Platform
- Linux
- User Friendly GUI
- Distributed Architecture
- Wide Array of Solutions
- Scalability

Competitive Value

- Affordable Answer for Video Surveillance
- Turnkey Solution
- Local Sourcing Power
- Software embedded Hardware
- Customized Linux OS
- Proven Project Reference
- Powerful VMS

Collaborations

- Close Partnership with Leading camera companies
- Wide Array of Camera Integration
- Free SDK

Success

- Over 1,800 Successful Projects Globally
- Casino's
- Shopping Malls
- Airports
- Subway Systems
- Highways
- Airports
- Prisons
- Univerisities
- Utility Companies
- And many more....

Design Concept

- Problem Solving Oriented - answer to ever problem
- Reliability - solutions witout problems
- Consistency - backward and forward compatible between old and new systems
- Intuitiveness - user-friendly GUI
- Redundancy - backup feature

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CORE Competence

With our state of the art hardware design, comprehensive software functionality and leading-edge compression technology - Instek Digital provides a one-stop solution for projects with basically unlimited number of cameras. With the ability to integrate our systems with third party hardware or software - such as card access control - we are able to offer one of the most flexible surveillance solutions on today's market.

Wide Arrray of Solutions

Instek Digital provides a Turnkey Solutions - offering an entire line-up of video surveillance hard- and software. As a Turnekey Solutins Provider - Instek Digital is also a total solutions provider. The product line-up is segmented into the Global Solution for large project with 1,000 channels and more, Enterprise Solution focus on project from 150 to 1,000 channels and for small concentrated project - Instek Digital offers its Basic line-up for project to a maximum of 150 channels.
In addition Instek Digital offers video recorders in towers and rackmounts form factor. These are available as pure analog , pure digital edition or a hybrid solution supporting both analog and digital cameras.

Scalability

Many projects start small and grow by time. Instek Digital offers a scalable solution allowing projects to expand without any limitations. If in the future a project requires additional servers and/or cameras - these can be added without compromising. With the support for unlimited cameras any installation using Instek Digital' s solutions can be assured to be easily expanded - allowing multiple sites to be efortlesssy interconnected.

User Friendly GUI

Instek Digital software is powerful and also designed to ensure a convenient user interface. The entire process is based on simplicity and efficiency. The layout is built up to show only the necessary elements that users require. With only one click users can view live or playback surveillance video at full-screen. Instek Digital' s engineers have many years of experience with designing video surveillance sofware and are aware what users require from a good interface. Instek Digital' s user-friendly GUI makes it easy for experienced and new users to navigate and use.

Distributed Architecture

Instek Digital' s Distributed Architecture has no Single Point of Failure and is Fully Scalable. A failing device can easily be repaired or replaced without effecting other devices in the network.

Free SDK

Instek Digital offers an open software development kit (SDK) for third party application to provide a flexible and customizable solution.

Open Platform

Instek Digital' s Open Platform enables users to customize their security needs. Instek Digital supports a wide variety of network hardware devices from a broad range of manufacturers. The open platform enables the optimization of security installations with the best solutions the market has to offer.

Linux

With an embedded customized Linux OS - Instek Digital' s recorders are ensured with excellent performance, reliability and protection.
Instek Digital has customized the Linux OS by removing unnecessary programs and therefor also has optimize the software size. Furthermore Instek Digital optimized Linux OS is installed on the Power DOM, avoiding system crash due to hard-drive malfunction. The result is that all hard-drives are available for recording only.
Linux is also a free operating system - which will minimize the costs of ownership and compared to other operating systems.

CORE Competence

Instek Digital key Core Compentence is i2DP (Instek Digital Disaster Prevention). Video surveillance can be vulnerable to interruptions caused by network drop, hardware failure and human error and the consequences can be disastrous and costly. Instek Digital introduces a high level of risk mitigation solution.

i2DP is an innovative solution for disaster prevention that offers signification benefits for reliable video surveillance systems. Video surveillance systems are expected to be reliable - but regardless of how reliable it may be - there will always be a number of inherent risks. These risks can have serious repercussions and are unavoidable even in the most realiable video surveillance systems. This is why it is essential to have a sound backup solution.

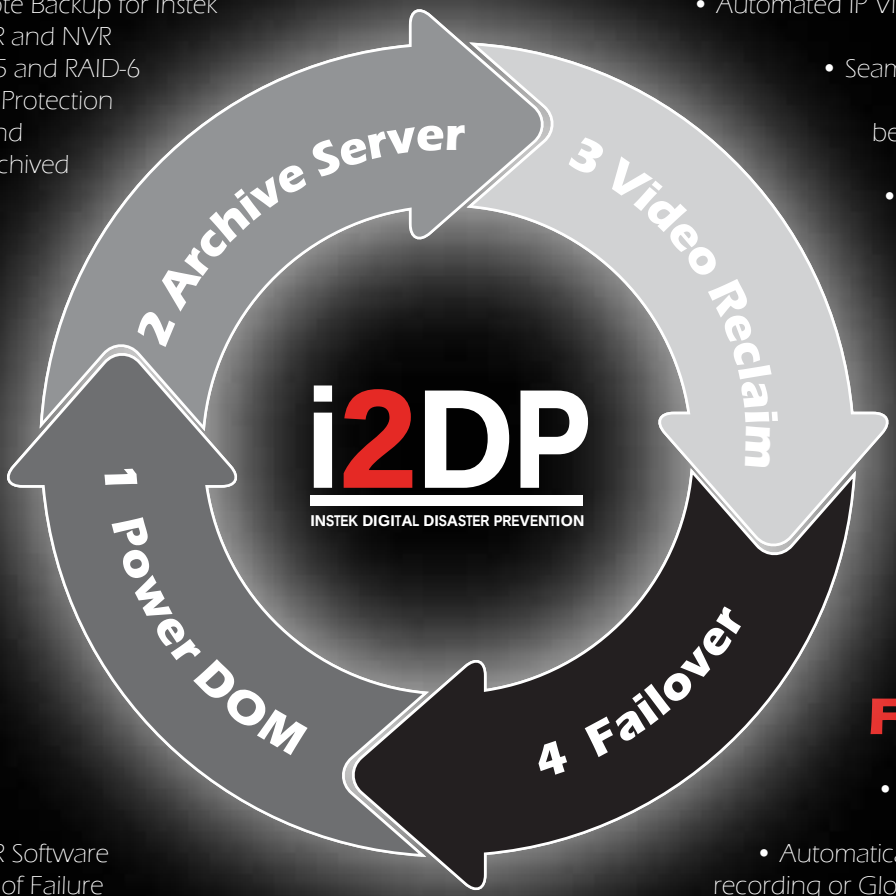
Instek Digital is aware of the importance of a fail-safe video surveillance system and introduces i2DP. Instek Digital Disaster Prevention helps to reduce risk and minimize downtime in the event of a disaster. This solution includes the following four elements: Power DOM, Archive Server, Video Reclaim and Failover.

Archive Server

- Real-Time Remote Backup for Instek Digital's (h)DVR and NVR
- Supports RAID-5 and RAID-6 for Video Data Protection
- Quick Search and Playback on Archived Video Data
- Concurrently Archive for multiple Cameras from various Instek Digital (h)DVRs and NVRs

Video Reclaim

- Automated IP Video Redundancy Solution
- Seamless Detection of Network Failure between IP camera and NVR
- Activate Camera on-board Recording upon Network Failure
- Automatic Video Data Transfer from Camera to NVR when Network Resumes



Power DOM

- Embedded NVR Software
- No Single Point of Failure
- Plug and Play
- Embedded Linux OS for Excellent Stability and Virus Protection

Failover

- Maximize System Uptime
- Automatically overtake NVR recording or Global Administrator (GA) functionality in case of Failure
- N+S Architecture
- Proactive Health Check
- Data Loss Prevention

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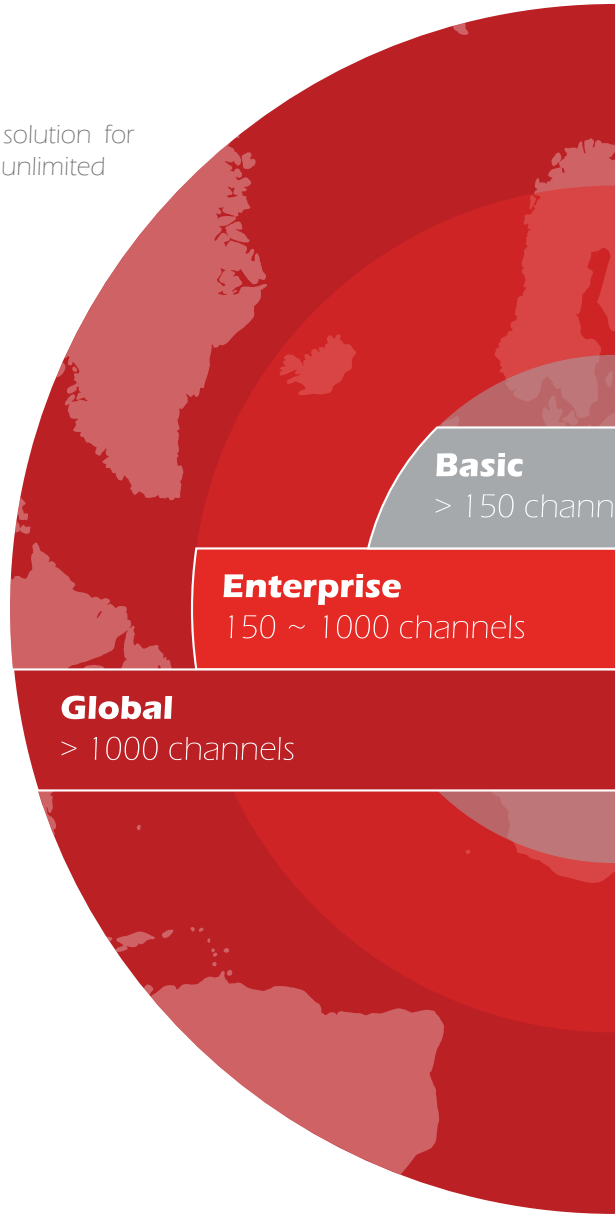
PRODUCT
Segmentation

Instek Digital offers solutions that meets the needs of projects of any size - whether it requires a few cameras or unlimited. Instek Digital has made it easy by dividing its product-line into three segments; **Global**, **Enterprise** and **Basic**.

GLOBAL

Instek Digital Global is a powerful yet user-friendly video surveillance solution for large-scale, multiple-site installations. This solution monitors and manages unlimited cameras, servers and client workstations all over an IP-network.



Overview Global Product-line:

Global Administrator (GA)
Centralized user and device management

- Centralized managing recorders and servers
- View and manage alarms
- Audit trail
- Remotely view and playback surveillance videos

Streaming Manager (SM)
Remote Broadcasting

- Embedded Linux OS
- Transcoding and relay
- Video source from (h)DVRs / NVRs / Archive Servers
- H.264 / MPEG4 / MJPEG format
- 200 video stream in and output for live and playback @ 2Mb/s

Mobile Server (MS)
Mobility

- Supports (h)DVRs and NVRs
- Layout 1x1, 2x2, 3x2
- Supports IE, Safari, Chrome, Firefox
- Create / modify / delete / store patterns
- PTZ support
- Distributed architecture and TCP/IP protocol for all environments

Transcoder (TX)
Video Transcoding

- Embedded Linux OS
- Video source from (h)DVRs / NVRs / Archive Servers
- H.264 / MPEG4 / MJPEG format
- 200 video stream input / output for live and playback @ 2Mb/s

Relay Server (RS)
Streaming Relay

- Embedded Linux OS
- Video source from (h)DVRs / NVRs / Archive Servers / Streaming Manager
- H.264 / MPEG4 / MJPEG format
- 200 video stream input / output for live and playback @ 2Mb/s

PRODUCT Comparison

GA

Function	Global Administrator		
Category	Global	Enterprise	Lite
Users license	100	50	30
Channels license	1,000	500	200
Platform support	Web-based GUI for cross-platform access (Windows, Linux, MAC OS)		
Device auto-discovery	Global Administrator / NVR / Command Center		
Failover	Supports monitoring and log		
Redundancy	Supports redundant Global Administrator servers		
User management	Up to 10,000 registered users and supports up to 1,000 users online concurrently		
Camera management	Up to 100,000 camera per server		
Keyboard | mouse	PS/2 | USB		
Ethernet	2 x Gigabit		
USB	6		
VGA output	15 pin female D-SUB		
Dual power supply	Optional*		

The following GA-server are equipped with dual power supplies; ID-GA5430-2U, ID-GA5420-2U, ID-GA5410-2U.

TX

Function	Transcoder	
Video source	(h)DVR / NVR / Archive Server	
Operating system	Linux	
Architecture	Distributed architecture and TCP/IP protocol for all environments	
Transcoding	16 D1 to 16 CIF	32 D1 to 32 CIF
Relay performance	16 in / 16 out	32 in / 32 out
Output device	Streaming Manager (SM)	
Supported format	H.264 / MPEG4 / MJPEG	

MS

Function	Mobile Server
Video source	(h)DVR / NVR / Archive Server
Mobile platform	iOS / Android / Windows Phone
Web brower support	Safari / Chrome / Internet Explorer / Firefox
Layout	1x1 / 2x2 / 3x2
Live video stream	Up to 5 fps (3x2 = 6 live video streams)
Playback video stream	Up to 6 fps per single playback
Mobile client support	Up to 200 connections
Channel support	16 | 32
PTZ support	Yes
Number NVR support	Unlimited

SM

Function	Streaming Manager	
Video source	(h)DVR / NVR / Archive Server	
Operating system	Linux	
Transcoding	200 video streams in/out @ 2 Mb/s*	
Relay performance	H.264 / MPEG4 / MJPEG	
Supported otput format	16 D1 to 16 CIF |	32 D1 to 32 CIF

Transcoding performance subject to resolution.

RS

Function	Relay Server
Video source	(h)DVR / NVR / Archive Server / SM
Operating system	Linux
Relay performance	200 video streams in/out @ 2Mb/s
Supported format	H.264 / MPEG4 / MJPEG

Product specifications and availability are subject to change without notice.

(h)DVR

	DR5400-3U | DR5300-3U	DR5400-2U | DR5300-2U	DR3800-2U | DR3700-2U	DR5400-1U
Operating System	Embedded Linux			
Watchdog (HW + SW)	Yes			
Video input (CH)	16 / 32 / 48 | 32	16 / 32 | 16	16 | 16	16
Supported resolution	4CIF / DCIF / CIF / QCIF			
Supported format	H.264 / MPEG4 / MJPEG			
Frame rate	30 / 25 (NTSC) | 15 / 12 (PAL)	30 / 25 (NTSC)| 15 / 12 (PAL)	30 / 25 (NTSC)| 15 / 12 (PAL)	30 / 25 (NTSC)| 15 / 12 (PAL)
Internal storage	12 hot-swappable HDD bays	8 hot-swappable HDD bays	4 HDD bays	2 HDD bays
RAID support	(optional) 0, 1, 5, 6, 10, 50	(optional) 0, 1, 5, 6, 10, 50	-	-
External storage	Archive Server / IP SAN / JBOD / SAS / DAS*	Archive Server / IP SAN + JBOD	Archive Server / IP SAN / JBOD	Archive Server / IP SAN + JBOD
Searching method	Date / Time / Camera / Alarm List			
Monitoring environment	Instek Digital Command Center / Instek Digital nCCTV HD / Web / CC Mobile			
Mobile client platform	iOS / Android / Windows Phone			
Local display support	Yes			
Speaker out	1			
Audio in	1			
LED display	Yes			
LED indicators	Power & HDD	Power & HDD	Power & HDD	-
Keyboard | mouse	PS/2 | USB			
Ethernet	2 x Gigabit	2 x Gigabit	1 x Gigabit	1 x Gigabit
USB	6	6	6	4
VGA	15 pin female D-SUB			

* DR-5448-3U does NOT support SAS/DAS

NVR

	NR5400-3U	NR5400-2U	NR3800-2U	NR5400-C4
Operating System	Embedded Linux			
Watchdog (HW + SW)	Yes			
Video input (CH)	16 / 32 / 48 / 64	16 / 32 / 48 / 64	16 / 32	4 / 9 / 16
Supported resolution	All			
Supported format	H.264 / MPEG4 / MJPEG			
Frame rate	30 (NTSC) / 25 (PAL)	30 (NTSC) / 25 (PAL)	30 (NTSC) / 25 (PAL)	30 (NTSC) / 25 (PAL)
Internal storage	12 hot-swappable HDD bays	8 hot-swappable HDD bays	4 HDD bays	4 swappable HDD bays
RAID support	(optional) 0, 1, 5, 6, 10, 50	(optional) 0, 1, 5, 6, 10, 50	-	-
External storage	AS* / IP SAN / DAS SAS / JBOD	AS* / IP SAN / DAS SAS / JBOD	AS / IP SAN / SAS DAS / JBOD	-
Searching method	Date / Time / Camera / Alarm List			
Monitoring environment	Instek Digital Command Center / Instek Digital nCCTV HD / Web / CC Mobile			
Mobile client platform	iOS / Android / Windows Phone			
Local display support	-	-	-	Yes
Speaker out	1			
Audio in	1			
LED display	Yes	Yes	Yes	-
LED indicators	Power & HDD			
Keyboard | mouse	PS/2 | USB			
Ethernet	2 x Gigabit	2 x Gigabit	1 x Gigabit	1 x Gigabit
USB	6	6	6	6
VGA	15 pin female D-SUB			

Product specifications and availability are subject to change without notice.

VMS

	MV-CC5404 COMMAND CENTER	MV-CC5402 COMMAND CENTER DUAL	MV-CC2001 COMMAND CENTER LITE
Function	Central Management Workstation	Central Management Software	Remote Management Software
Operating system	Windows7		
Monitor output	4	2	1
Device Management	Unlimited		
Camera Management	Unlimited		

nCCTV

	HR-NC3802	HR-NC5404
Function	Network CCTV	
Operating system	Windows7	
Image resolution	4CIF / CIF / VGA / megapixels	
Display performance	4CIF x 21 CH (630 fps) / CIF x 58 CH (1740 fps)	4CIF x 36 CH (1080 fps) / CIF x 64 CH (1740 fps)
Display layout	1x1 / 2x2 / 3x2 / 3x3 / 4x3 / 4x4 / 5x3 / 7+1 / 7+2 / 8+2 / 12+1	
Camera pattern & tour	Yes	
Instant playback	Yes	
Ethernet	1 x Gigabit	
Moniitor output	2	4
Keyboard | Mouse	PS/2 | USB	
USB	4	6

ARCHIVE SERVER

	HR-AS3801-2U	HR-AS5401-2U	HR-AS5401-3U
Function	Archive server		
Operating system	Embedded Linux		
Internal storage	4 bays	8 hot-swappable bays	12 hot-swappable bays
RAID support (optional)	-	RAID 0,1, 5, 6,10, 50	RAID 0,1, 5, 6, 10, 50
External storage	AS / IP SAN + JBOD / SAS DAS / JBOD	SAS DAS + JBOD / IP SAN + JBOD	SAS DAS + JBOD / IP SAN + JBOD
Ethernet	1 x Gigabit	2 x Gigabit	2 x Gigabit

VS

	HR-VS5416-1U
Function	Video Server
Operating system	Embedded Linux
Video standard	NTSC / PAL
Video | Audio input	16 | 16 channels
Video | Audio input level	1.0Vp-p, 75Ω | 2.0Vp-p, 1kΩ
Max image resolution	704 x 480 (NTSC) / 704 x 576 (PAL)
Video compression	Hardware H.264 (MPEG-4 Part 10)
Image size	1.06KB ~ 1.8Mb / sec
Max. frame rate/CH	30 FPS @ 4CIF (NTSC) & 25 FPS @ 4CIF (PAL)

Product specifications and availability are subject to change without notice.

SAS DAS

	HR-DS3108-SA	HR-DS3112-SA	HR-DS3116-SA	HR-DS3112-JB	HR-DS3116-JB
Function	SAS storage	SAS storage	SAS storage	SAS II JBOD storage	SAS II JBOD storage
Host interface	2 x SAS 6GB/s	2 x SAS 6GB/s	2 x SAS 6GB/s	2 x mini SAS 6GB/s	2 x mini SAS 6GB/s
RAID support	0,1, 10 (1E) 3, 5, 6, 10 30, 50, 60, JBOD	0,1, 10 (1E), 3, 5, 6, 10, 30, 50, 60, JBOD	0,1, 10 (1E), 3, 5, 6, 10, 30, 50, 60, JBOD	-	-
Internal storage	8 hot-swappable bays	12 hot-swappable bays	16 hot-swappable bays	12 hot-swappable bays	16 hot-swappable bays
Power output	2 x 400W	2 x 530W	2 x 530W	2 x 300W	2 x 500W
Operating temperature	0 ~ 60˚C	0 ~ 60˚C	0 ~ 60˚C	0 ~ 60˚C	0 ~ 60˚C
Humidity	95% non condensing	95% non condensing	95% non condensing	95% non condensing	95% non condensing
Dimension (mm)	500(L) x 482(W) x 88(H)	590(L) x 482(W) x 88(H)	590(L) x 482(W) x 131(H)	460(L) x 482(W) x 88(H)	590(L) x 482(W) x 131(H)
Weight (kg)	12.40	18.20	24.00	14.00	24.00

IP SAN / JBOD

	HR-DS2212-IP	HR-DS2216-IP	HR-DS2212-JB	HR-DS2216-JB
Function	IP SAN storage	IP SAN storage	JBOD storage	JBOD storage
Storage controller	Single	Single	-	-
Host interface	2 x iSCSI 1GB/s	2 x iSCSI 1GB/s	2 x SAS 3GB/s	2 x SAS 3GB/s
Cache memory	1GB	1GB	-	-
RAID support	0,1(0+1), 3, 5, 6, 10, 30, 50, 60	0,1(0+1), 3, 5, 6, 10, 30, 50, 60	0,1(0+1), 3, 5, 6, 10, 30, 50, 60	0,1(0+1), 3, 5, 6, 10, 30, 50, 60
Internal storage	12 hot-swappable bays	16 hot-swappable bays	12 hot-swappable bays	16 hot-swappable bays
Max. drives via JBOD	84	112	-	-
SAS expansion port	1 x 3GB/s SAS 4x wide port	1 x 3GB/s SAS 4x wide port	-	-
Power output	2 x 350W	2 x 530W	2 x 460W	2 x 530W
Operating temperature	0 ~ 60˚C	0 ~ 60˚C	0 ~ 60˚C	0 ~ 60˚C
Humedity	95% non condensing	95% non condensing	95% non condensing	95% non condensing
Dimension (mm)	513(L) x 446(W) x 88(H)	514(L) x 446(W) x 130(H)	498(L) x 446(W) x 88(H)	448(L) x 446(W) x 130(H)
Weight (kg)	15.30	18.56	17.60	27.50

RVA

	HR-RV3401	HR-RV3402	HR-RV3403
Function	Real-Time Video Analytics		
Operating system	Windows7		
Scenarios	Quick Motion Detection / Intrusion Detection / Crowd Density Measurement / Object Left / Removal Detection / Scene Change Detection		
Supported camera channels	4 analog | 2 IP	8 analog | 4 IP	16 analog | 8 IP
Video input	Multiple (h)DVR / NVR		
Ethernet	1 x Gigabit		
VGA output	15 pin female D-SUB / DVI-D / HDMI		
USB	6	8	8

Product specifications and availability are subject to change without notice.

ENTERPRISE

Instek Digital Enterprise is the ideal solution for large and complex projects.

Overview **Enterprise** Product-line:

Video Management Software

- Instant access to unlimited number of cameras and (h)DVRs / NVRs / Archive Servers
- Instant playback for prompt response
- Four monitors for extensive camera monitoring and running of optional secondary applications
- Real-time live video viewing per camera
- Comprehensive graphical display for video playback and alarm response
- Remote system configuration
- Advanced Smart Search of recorded data using video analytics
- Efficiency tool such as Speedkey to view a camer from anywhere on the network keystrokes

Monitoring & Management

- Virtual matrix switch
- Eliminate complex installation and cabling of traditional CCTV
- Individually switch between live video and playback
- Central management from Command Center
- Migration of CCTV from 'Closed Circuit' to IP network and open platform
- Flexible extension of video display to virtually anywhere
- Support for camera patterns and camera tours
- Camera sequence

Analog to digital

- H.264 real-time video compression
- 16 channels supported in 1U rack mountable design

Recorders

- Embedded Linux OS design for stability and security
- Sophisticated failover and switchback
- Hybrid configuration to record both analog and IP cameras
- Hardware H.264 video compression
- Large storage capacity with up to 12 HDD bays internal and 112 HDD bays external
- Optional easy to configure RAID-5 and RAID-6 for video data protection
- Support for multiple megapixel IP cameras
- Real-time video recording on up to 48 analog or 64 IP channels
- Embedded SQL in video storage for faster playback

Storage

- Interface with SAS (DAS) & SAN
- Supports for RAID-5 and RAID-6 and hot swappable hard-drives
- Redudant hot swappable power supplies
- Real-time drive activity and status indicators
- Bad block auto-remapping

Video analytics

- Quick motion / Intrusion / Loitering / Crowd density / Objet left/removal / Scene change

BASIC

Instek Digital Basic line focusses on small and compact video surveillance installations.

Overview **Basic** Product-line:

C4 NVR

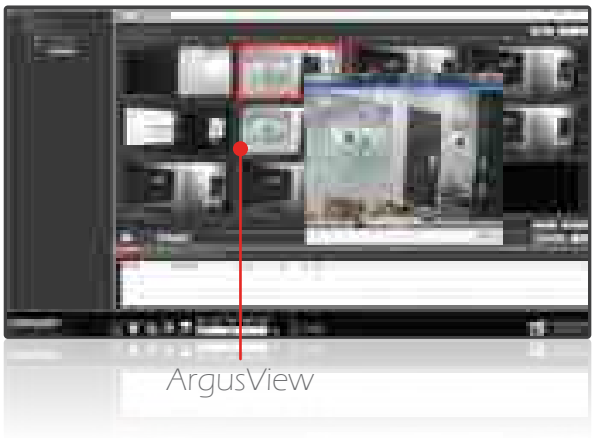
- local display funtion / Linux OS / 4 hot-swappable HDD / web interface for online viewing of live and playback / pattern & tour / PTZ / alarm

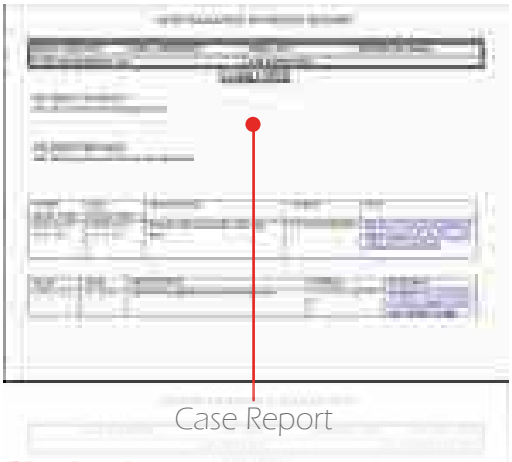
POWERFUL Software

Instek Digital powerful software is a cross-platform solution providing users the flexibility to view surveillance videos in various ways. Meeting users requirements - Instek Digital offers the following client varieties: Command Center, Remote Client, Web Client and Local Client.
Instek Digital Command Center video management software provides a variety of security center solution to satisfy the unique demands of the digital surveillance market. Using the Remote Client - users can utilize all the benefits of Command Center remotely. With Instek Digital Web Client - surveillance videos can be accessed from anywhere and anytime. For compact and elementary solutions - Instek Digital offers its Local Client.

ArgusView

ArgusView easily previews recorded video by displaying image thumbnails generated from within a user-defined time period for a specific channel. The user can then playback the recording from the time and date listed below the thumbnail by simply double-clicking the image. By using the navigation panel - the user can change the time period resulting in a larger or smaller time gap between each of the 12 thumbnails.



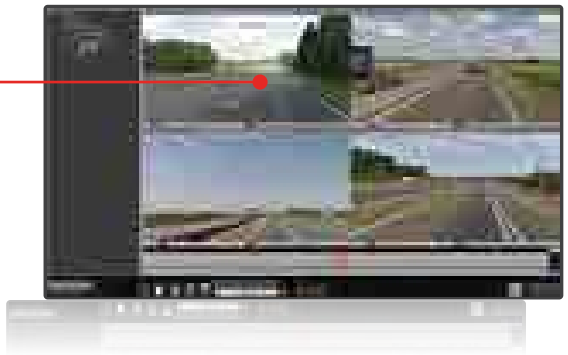


Case Builder

Instek Digital Case Builder feature is an instant writer program for creating case reports and investigations. Security managers can easily form multimedia documents with video clips and image snapshots for evidence. Users also can create bookmarks from a part of a video clip that contains a significant event. These bookmark can in a later stage be downloaded and analyzed.

Playback

Command Center allows users to utilize the advanced playback feature - which allows them to view instantly, simultaneously, live and synchronize playback video.



Advanced Smart Search

The Advanced Smart Search feature allows a specific recorded event to be easily located based on search criteria. It has the ability to locate event based on motion, intrusion, crowd density and left objects.

POWERFUL Software

Local Function

Local Function

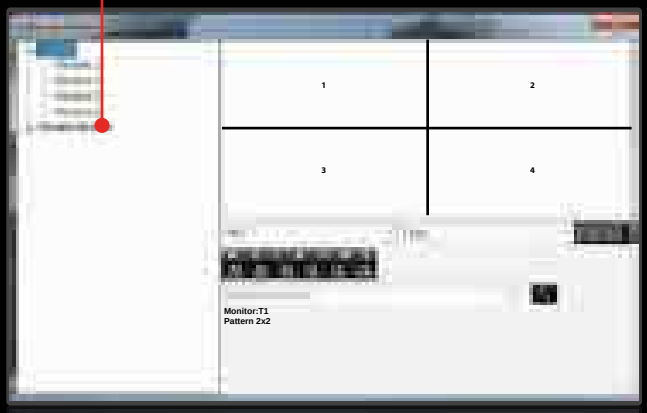
Instek Digital Local Function is embedded with its C4 NVR. With a VGA connection - a display can directly connected to the C4 NVR and users have access to the powerful user-friendly local functions. One can live, playback video and utilize PTZ cameras. Also it is easy to run patterns and tours and manage alarms. Instek Digital C4 NVR is the perfect All-In-One video surveillance recorder with local display functionality.

Download Scheduler

From Command Center video clips can be downloaded based on a scheduled time-frame from archived videos. These video clips can be used as evidence in case of any events, such as a crime scene or car accident etc.

Download Scheduler

Monitor Group

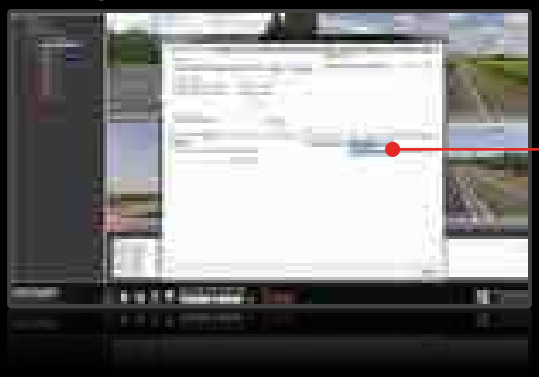


nCCTV

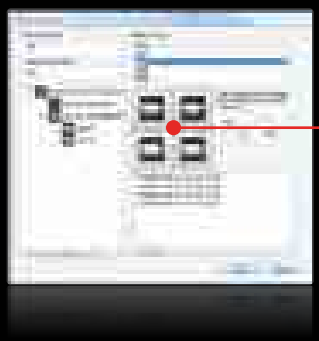
Instek Digital advanced nCCTV allows users to scale a TV-wall to any number of displays as they require without any limitations. Videos can instantly be accessed and showed for live or playback. With the Monitor Group feature provides the functionality to group multiple displays and assign identical pattern and tours to each display. In any case of an event - nCCTV will display an Alarm Pop-up across all displays on the TV-wall.

Dual Stream

The Streaming Channel Selection - makes it possible to display video either in main or substream. This helps to optimize bandwidth consumption and more efficient decoding power.



Dual Stream



Camera Sequence

Camera Sequence

To optimize the utility of the pattern feature - Instek Digital developed the Camera Sequence feature. With the Camera Sequence feature - multiple cameras rotated within one window - bringing more flexibility while viewing surveillance videos.running on a tv-wall.

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CAMERA
Support list

3S, ACTi Connecting Vision, APPRO, Arecont Vision

AXIS Communications, BASLER, BOSCH, Brickcom

CNB Technology Inc., D-Link, D-max Dong Yang Unitech, DYNACOLOR

ETROVISION, HIKVISION, HiTRON, HS

HUNT, ITX, IQinVision, JVC

MATRICAM, MESSOA, MOBOTIX, Panasonic ideas for life

PELCO, PIXORD, PROBE, SAMSUNG Electronics

SANYO, SECUBEST, SONY, VIVOTEK

ONVIF Driving network video through global standarization

PROJECT Reference

Taipei MRT
6000 analog + IP + MP cameras

Taoyuan Airport
350 analog + 550 IP cameras

Powerchip Semiconductor FAB
1035 analog + IP + MP cameras

Singapore Prison
1500+ analog cameras

Singapore Powergrid
928 analog + IP + MP cameras

Hong Kong Electric
200 MP cameras

North Lanarkshire Council
1000+ analog and IP cameras

Guanghui Highway
90 analog cameras

Longyan Highway
135 analog cameras

Motorcity Casino
1500 analog + IP + MP cameras

Leeds City Surveillance
800 MP cameras

Russia Hydro Power plant
450 IP cameras

Financial Institute Poland
350 IP cameras

China East Asian Games
1500 IP Cameras

Singapore Powergrid
928 analog + IP + MP cameras

Dubai Festival City Shopping Mall
912 analog cameras

Artvin Coruh University
256 IP cameras

Sofia Airport
200 analog + IP cameras

Grand Indonesia Shopping Town
950 analog + IP cameras

Newcastle NHS
622 analog + IP cameras

Global Headquarters

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

China Office

8F, No. 2 Building, No. 889, Yi Shan Road
Shanghai, China PO200233
Telephone number: +86 21 6485 3399
Fax number: +86 21 5450 0789

E-mail Contact

- Sales Inquiry: sales@instekdigital.com
- Technical Support: support@instekdigital.com
- General Information: instek@instekdigital.com