



 **INSTEK DIGITAL**  
<http://www.instekdigital.com>

For any security challenge , we provide  
**The Enterprise Video Solution**

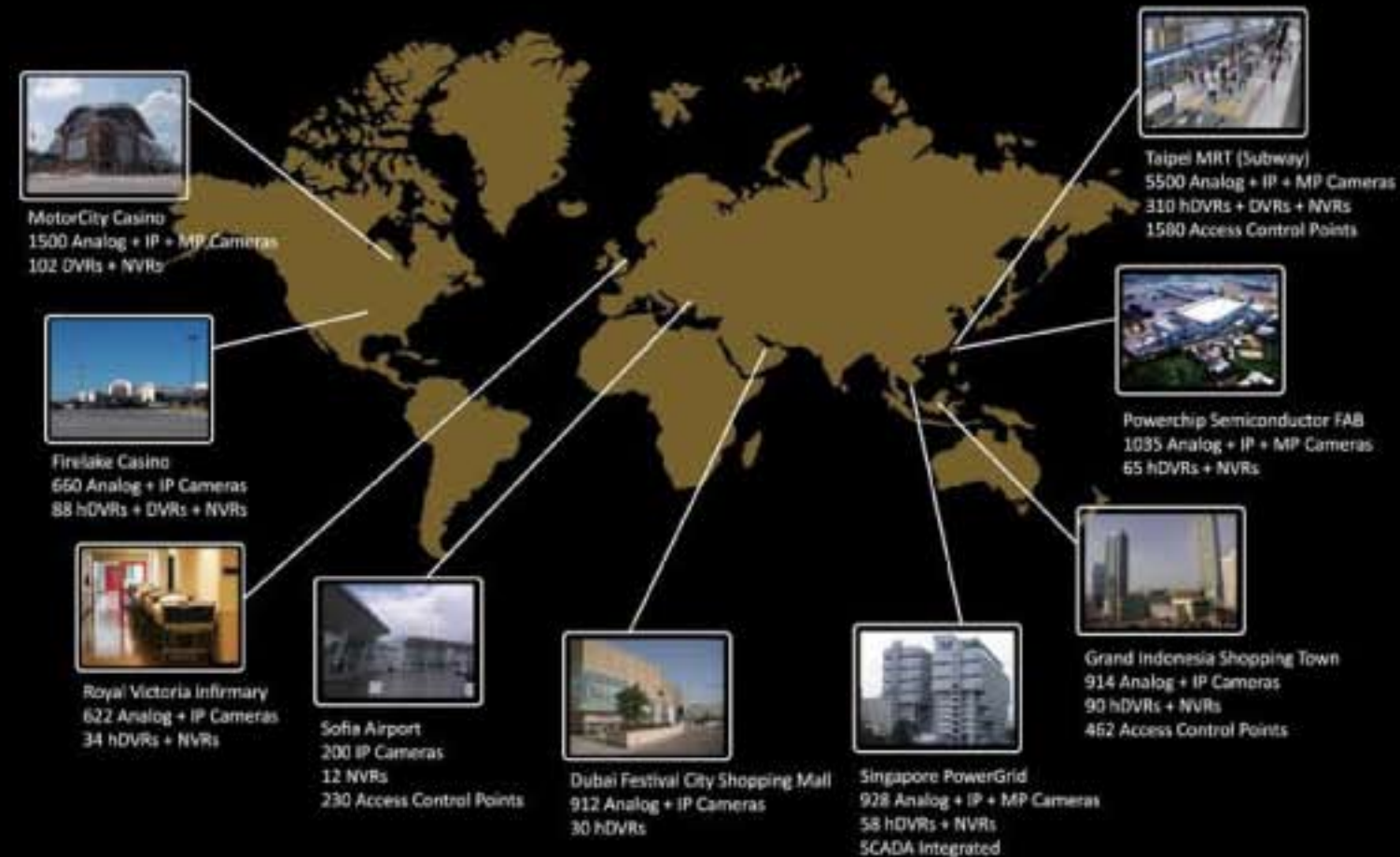


**MATRIVIDEO**

**H<sub>3</sub> Hybrid**

High Availability  
 High Resolution  
 High Intelligence

**Worldwide Proven Installations**



Instantly build a reliable recorder server by simply plugging in a USB DOM with an embedded Linux OS.

- Hardware Flexibility
- Minimal Installation Time
- Excellent Stability
- Easy Maintenance and Troubleshooting

**Software Solution**

**Turn-Key Solution**

Select Instek Digital's surveillance designed hardware and software for an integrated mission-critical system.

- One Stop Shopping
- Whole Unit Warranty
- Reduce Time Installing, Configuring, and Testing
- Field-Proven References



**Awards**

- 2006 - "World's Best Metro System" selected by A&S Magazine
- 2008 - "Master of Polish Security Technology 2008" on Securex 2008 exhibition
- 2009 - Winner of "Integrated Security Solution of the Year" at Security Excellence Awards 2009

## MONITORING / MANAGEMENT

### Network CCTV (nCCTV)

- 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 "Close Circuit" to IP network and open platform
- Flexible extension of video display to virtually anywhere
- Support for camera patterns and camera tours



## MANAGEMENT APPLICATION



### Command Center

- Instant access to an unlimited number of cameras and DVRs / NVRs / Archive Servers
- Instant playback for prompt response
- Four monitors for extensive camera monitoring and running of optional secondary applications
- Case builder generating evidence reports
- Real-time live video viewing per camera
- Comprehensive graphical display for video playback and alarm response
- Remote MatriVideo system configuration
- Advanced Smart Search of recorded data using video analytics



### Command Center Dual

Dual monitor Command Center to save desk space

### Command Center Lite

Single monitor Command Center for portable operation

### Command Center One

Free single monitor Command Center application to manage a single recorder

## VIDEO ANALYTICS

### Real-Time Video Analytics

Scenarios:

- Quick motion detection
- Intrusion detection
- Loitering detection
- ATM proximity warning
- Crowd density management
- Object left / removal detection
- Event counting – entry / exit
- Scene change detection

Features:

- Concurrent multiple camera analysis
- Concurrent multiple detection rules per camera
- Hybrid support for IP and analog cameras
- User configurable analytic schedule
- Real-time notification and reaction
- E-mail notification
- Map pop-up
- Alarm recording
- PTZ preset



# NETWORK

## CAMERAS

### MatriVideo IP Cameras

- Video compression: MPEG-4 and H.264
- Two-way audio support
- Auto camera discovery
- Cube, Box, and Dome models available
- Power over Ethernet (PoE) support

### Analog Camera



### IP Camera



### Video Server

## RECORDERS & STORAGE

### MatriVideo Video 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 integrated storage capacity with up to 12 swappable hard drive bays
- 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 32 analog, or 64 IP channels



## BACKUP



### Failover Server

- Automatic NVR failover and switchback
- N + S architecture
- Average switchover takes less than 30 seconds
- Unlimited standby servers possible
- No central server requirement – eliminate single point of failure



### Extended Storage

- Interface with SCSI (DAS) or iSCSI (IP SAN)
- Support for RAID-5 and RAID-6 and hot swappable hard drives
- Redundant hot swappable power supplies
- Real-time drive activity and status indicators
- Audible alarm notification
- Bad block auto-remapping

### Archive Server

- Real-time remote backup for MatriVideo DVRs / NVRs
- Easy archive media management and recycling
- Quick search and playback on archived video data
- Concurrent archive for multiple cameras from different DVRs / NVRs
- Real-time video data mirroring for high availability





## Open SDK API

MATRIVIDEO offers an open software development kit (SDK) and application programming interface (API) for third party applications to provide a flexible and customizable solution.

### Example Integration Scenarios:

- Door Access Control
- PA and Fire Alarm System
- Hardware Status Reporting
- Point of Sale Monitoring
- Data Importing and Exporting

## About Instek Digital

Instek Digital formed in 2003 as an independent subsidiary of GW Instek to focus on the development of high quality digital surveillance products. A team of experienced software professionals and hardware engineers was assembled to create powerful yet affordable DVRs and NVRs and to develop a highly integrated system so that Instek Digital could become a complete solutions provider. With state of the art hardware design and comprehensive software functionality, we provide a one stop shop for projects with hundreds or thousands of cameras and the long list of worldwide proven installations is testament to our focus on quality. Speak to one of our solution specialists today to find the perfect solution for your security challenge.

## Contact

Taiwan  
4F, No.119-1, Baozhung Road  
Xindian City, Taipei County, Taiwan 231  
Tel: 886 2 2914-1839  
Fax: 886 2 2910-1803

USA, California  
3661 Walnut Ave  
Chino, CA 91710, USA  
Tel: (909) 627-8811  
Fax: (909) 627-8838

USA, Illinois  
1866 Sheridan Rd, Suite 212  
Highland Park, IL 60035, USA  
Tel: (847) 926-0047  
Fax: (847) 926-0054

USA, Florida  
Park Place 1, 13390 SW 128 St  
Miami, Florida, 33186, USA  
Tel: (305) 260-0808  
Fax: (909) 627-8838