

# Surveillix Video Recording Platform



| Model                             | EHV Series  | DVSe Series   | XVSe Series                                       | NVSe Series                | IPSe Series            | SW-IP Series                                 |
|-----------------------------------|---|---|---|----------------------------|------------------------|--|
|                                   | Embedded Hybrid Recorders   | Hybrid Servers  |   | IP Servers                 |                        | Server Software                              |
| <b>Series Overview</b>            |   |   |   |                            |                        |  |
| Analog Video Format               | NTSC/PAL  | NTSC/PAL  | —   | —                          | —                      | —  |
| Image Compression                 | H.264   | H.264, MPEG4, MJPEG   | —   | H.264, MPEG4, MJPEG        | —                      | H.264, MPEG4, MJPEG                          |
| Max Number of Channels            | 4, 8, 16  | 64  | —   | 64                         | —                      | 64   |
| Analog Video Inputs               | 4, 8, 16  | 8, 16, 32   | 16  | —                          | —                      | —  |
| IP Video Inputs                   | 4   | Up to 64*1  | —   | Up to 64*1                 | —                      | Up to 64*1                                   |
| Video Outputs                     | HDMI x 1, VGA x 1, BNC x 2 (main and spot monitor)*6                            | HDMI x 1, DVI x 1, RCA x 1 (spot monitor)                     | —   | HDMI x 1, DVI x 1          | —                      | SVGA monitor, 128 MB graphics adapter*6      |
| <b>Storage</b>                    |   |   |   |                            |                        |  |
| Storage Capacity                  | Up to 6TB   | Up to 12TB Removable  | Up to 9TB   | Up to 12TB Removable       | Up to 9TB              | Based on retention needs                     |
| RAID Configuration (optional)     | —   | RAID5   | —   | RAID5                      | —                      | Hardware dependent                           |
| External Storage                  | eSATA x 1*7   | eSATA x 1, SCSI (optional)                                    | eSATA x 1   | eSATA x 1, SCSI (optional) | eSATA x 1              | Hardware dependent                           |
| Optical Drive                     | —   | DVD/RW  | DVD/RW  | DVD/RW                     | DVD/RW                 | Hardware dependent                           |
| <b>Frame Rates</b>                |   |   |   |                            |                        |  |
| Analog Recording Rate (PPS)       | 30/60/120/480 at 720x480<br>60/120/240/480 at 720x240<br>120/240/480 at 352x240 | 240/480 at 360x240<br>120/240 at 720x240<br>60/120 at 720x480 | 240 at 360x240<br>120 at 720x240<br>60 at 720x480 | —                          | —                      | —  |
| Analog Live Viewing Rate (PPS)    | 120/240/480   | 240/480   | —   | —                          | —                      | —  |
| IP Video Throughput               | Up to 48Mbps  | Up to 260Mbps*2   | —   | Up to 260Mbps*2            | —                      | Hardware dependent                           |
| <b>Inputs/Outputs</b>             |   |   |   |                            |                        |  |
| Audio Inputs                      | 4/16  | 8/16  | 2/16  | —                          | 16*3                   | 16*3 DirectX compatible sound card *8        |
| Sensor/Alarm Inputs               | 4/8/16  | 8/16  | 16  | —                          | —                      | —  |
| Alarm Outputs                     | 4   | 8/16  | 4   | —                          | —                      | —  |
| USB Ports                         | USB 2.0 x 2   | USB 3.0 x 2, USB 2.0 x 6                                      | —   | —                          | —                      | —  |
| PTZ Controls protocols            | RS-232/485  | Internal RS-232/485   | —   | Internal RS-232/485        | —                      | Internal RS-232/485                          |
| LAN                               | 100/1000 Gigabit Ethernet   | 100/1000 Gigabit Ethernet                                     | —   | 100/1000 Gigabit Ethernet  | —                      | 100/1000 Gigabit Ethernet                    |
| <b>Remote Clients included</b>    |   |   |   |                            |                        |  |
| VMS Software                      | —   | —   | —   | —                          | —                      | Surveillix SCS                               |
| Browser client                    | Internet Explorer   | —   | —   | —                          | —                      | IDVR   |
| Smartphone apps                   | —   | —   | —   | —                          | —                      | iPhone/Android/Blackberry                    |
| Tablet apps                       | —   | —   | —   | —                          | —                      | iPad/Android                                 |
| Managed Recorder Health           | —   | —   | —   | —                          | —                      | MySurveillix                                 |
| <b>Other</b>                      |   |   |   |                            |                        |  |
| Remote Connection                 | —   | —   | —   | —                          | —                      | TCP/IP, UDP, Internet, LAN, WAN              |
| Password Control                  | —   | —   | —   | —                          | —                      | User defined access level                    |
| Power Interruption Recovery       | —   | —   | —   | —                          | —                      | Automatic Restart and resume                 |
| <b>System</b>                     |   |   |   |                            |                        |  |
| CPU                               | DSP   | Intel Dual Core, Core i3*4                                    | Intel Dual Core*4                                 | Intel Core i3, i5*4, i7    | Intel Core i3, i5*4    | Intel Core i3 minimum*8                      |
| RAM                               | —   | 2GB*5   | —   | 2GB*5                      | 2GB*5, 4GB             | 2GB minimum*8                                |
| Operating System                  | Embedded Linux  | —   | —   | —                          | —                      | Windows XP, Windows 7, Windows Server 2008*8 |
| Recording Software                | Surveillix (included)   | —   | —   | —                          | —                      | Installed on 3rd party hardware              |
| <b>Dimensions</b>                 |   |   |   |                            |                        |  |
| Dimensions (h x w x d)            | 3.46" x 16.53" x 16.85"   | 7" x 17.3" x 21.75"   | 5.25" x 17.3" x 21.75"                            | 7" x 17.3" x 21.75"        | 5.25" x 17.3" x 21.75" | —  |
| Rackmount size                    | —   | 4U  | 3U  | 4U                         | 3U                     | Hardware dependent                           |
| Weight                            | TBD   | 47-52 lbs   | 30-33 lbs   | 47-52 lbs                  | 30-33 lbs              | Hardware dependent                           |
| <b>Power</b>                      |   |   |   |                            |                        |  |
| Power Input                       | DC 12V, 5A  | AC 100-240V (50Hz/60Hz)                                       | —   | AC 100-240V (50Hz/60Hz)    | —                      | AC 100-240V (50Hz/60Hz)                      |
| Redundant Power Supply (optional) | —   | Yes   | —   | Yes                        | —                      | Hardware dependent                           |
| <b>Warranty</b>                   |   |   |   |                            |                        |  |
| Limited Warranty                  | —   | —   | —   | —                          | —                      | 3 years, 1 year advance replacement          |

\*1: For supported IP camera list, visit [www.toshibasecurity.com](http://www.toshibasecurity.com) \*2: Using Internal or External RAID5 Configuration  
 \*3: CPU upgrade to Intel Core i7 available  
 \*4: On Supported IP cameras via network interface  
 \*5: RAM upgrade to 4GB available  
 \*6: Displays analog video locally only  
 \*7: eSATA port supports 1 drive only  
 \*8: Minimum recommended server specifications

# TOSHIBA Leading Innovation >>>

## Unmatched Platform Presence

Toshiba is uniquely positioned in the entire surveillance and IP video industry. No other manufacturer matches Toshiba's presence in all platforms—Enterprise, Analog, Hybrid, Network. We offer a full range of solutions for a variety of applications including video analytics, POS integration and cloud based services. Complete End-to-End Surveillance Solutions allow us to offer the best migration strategy and most comprehensive line-up in the industry.

### End-to-end Surveillance Solutions



### Platform Software

#### SCS Video Management Software

- Enterprise level VMS system management
- Multiple server and multiple site support
- Multi-level mapping
- Alarm manager
- Multiple user
- Included with all Surveillix Servers

#### MySurveillix

- Web based service that manages the health of an end-user's surveillance system
- Provides critical alerts when cameras/hard drives/recorders need attention
- Automated report shows health of system including snapshots of every camera
- Speak with your ProfitMAX reseller to obtain this service

- > Video Management
- > Image Capture
- > Mobility

#### TruSight Video Analytics Software

- Perimeter protection / intrusion detection
- Counting / directional alarms
- Detects loitering and running
- Parking violation detection
- Graffiti / vandalism detection
- Object theft and abandonment detection

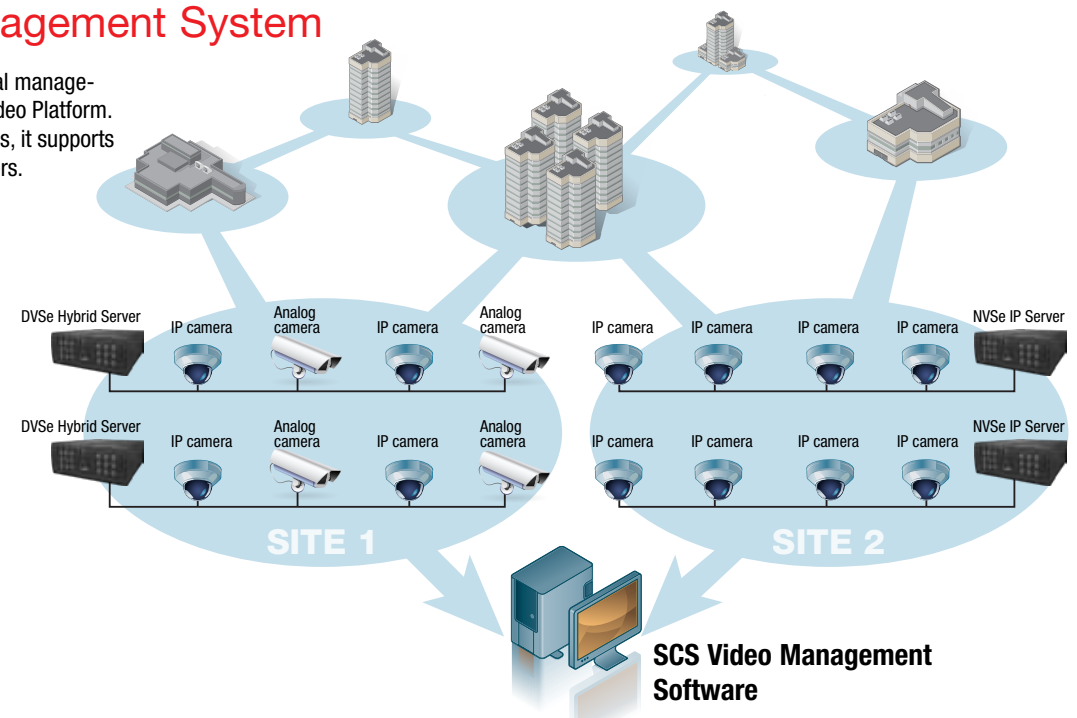
#### Surveillix POS Software

- Point of Sale transaction database
- Real time text overlay
- Advanced data searches
- Video playback with transactions
- Supports over 20 major POS hardware manufacturers
- ATM interface

### SCS Video Management System

The Toshiba SCS VMS is the central management software for the Surveillix Video Platform. Designed for multi-site installations, it supports multiple servers, cameras and users.

- Advanced mapping tools
- Multiple monitor support
- Alarm management
- Hot spot capability
- Future proof scalability
- Flexible user friendly operation
- Included free with all Surveillix servers and recorders



### Compatibility

| IP Cameras Supported*  | Access Control Supported  | Integration Platforms Supported                         | Management System Software Integration – Toshiba IP Cameras  |
|--|---|---|--|
| <b>Toshiba</b><br><b>ACTI</b><br><b>Arecont Vision</b><br><b>AXIS</b><br><b>D-Link</b><br><b>IQ INVISION</b><br><b>Lumenera</b><br><b>Mobotix</b><br><b>Panasonic</b><br><b>Pixord</b><br><b>Samsung</b><br><b>Securgen</b><br><b>Sony</b><br><b>Stardot</b><br><b>Vivotek</b> | <b>CanSec</b> Maestro, SmartLock<br><b>Dice Systems</b> Aegis<br><b>DSX</b> WinDSX, WinDSX-SQL, DSX-Soft I/O<br><b>Galaxy</b> Galaxy Version 7 and Version 4<br><b>Hartmann Controls</b> Protector Series<br><b>Keyscan</b> Keyscan Management System VII, Vantage<br><b>MAXxess</b> AXxess, EndPoint | <b>Cernium</b> Percepttrak<br><b>Vidient</b> SmartCatch | <b>Aimetis</b> Symphony<br><b>Exacq</b> ExacqVision<br><b>Genetec</b> Omnicast, Synergist, Autovu<br><b>Intrinsa</b> Enterprise Server<br><b>IPConfigure</b> ESM<br><b>Luxriot</b> VMS<br><b>Milestone</b> XProtect<br><b>OnSSI</b> Ocularis, NetDVMS, NetDVR, ProSight<br><b>NUUO</b> Titan, Mini<br><b>Salient</b> CompleteView<br><b>Strand USA</b> NVR<br><b>Video Insight</b> Enterprise IP |

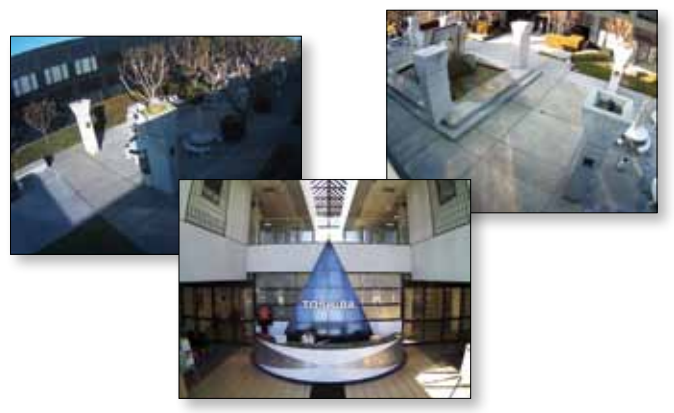
\*Reference website for details: [www.toshibasecurity.com](http://www.toshibasecurity.com)

### Free Online Tools



#### Bandwidth and Storage Application tool

Helps you select the correct recording system for your application. It will help you determine the total network bandwidth, storage capacity, and % of CPU resources used.



#### Remote Monitoring Live Demos

View streaming video over the Internet from a Toshiba camera you select. Please visit the live demo site at [www.toshibasecurity.com/products/prod\\_demo.jsp](http://www.toshibasecurity.com/products/prod_demo.jsp)

# TOSHIBA Leading Innovation >>>

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# Toshiba IP Video Monitoring/Surveillance Cameras

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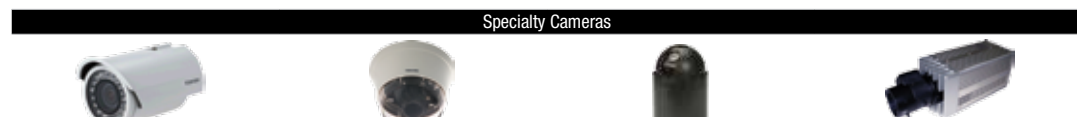


|                 | Full HD 1080p    |   |  | 2MP  |   |   |   |   | Standard Res  |   |  |
|-----------------|------------------|---|--|--|---|---|---|---|---|---|--|
|                 | Model: IK-WP41A  | IK-WR14A  | IK-WD14A   | IK-WR12A   | IK-WD12A  | IK-WB80A  | IK-WB16A  | IK-WB16A-W  | IK-WB30A  | IK-WD01A  | IK-WB70A   |
| <b>Camera</b>   | Image sensor     | 1/2.8 inch progressive scan CMOS 2MP                    | 1/2.7 inch progressive scan CMOS 2MP                       | 1/3.2 inch progressive scan CMOS 2MP                       | 1/3.2 inch progressive scan CMOS 2MP                    | 1/3.2 inch progressive scan CMOS 2MP                    | 1/3.2 inch progressive scan CMOS 2MP                    | 1/3.2 inch progressive scan CMOS 2MP                        | 1/3.2 inch progressive scan CMOS 2MP                    | 1/4 inch progressive scan CMOS                      | 1/3.3 inch progressive scan CMOS                   |
| <b>Features</b> | Effective pixels | 1920 x 1080   | 1920 x 1080  | 1920 x 1080  | 1600 x 1200   | 1600 x 1200   | 1600 x 1200   | 1600 x 1200   | 1600 x 1200   | 640 x 480   | 640 x 480  |
| <b>Video</b>    | Resolutions      | 1080p, 720p, 480p, VGA, QVGA, CIF                       | 1920x1080, 1280x1024, 1280x720, 1024x768, 640x480, 320x240 | 1920x1080, 1280x1024, 1280x720, 1024x768, 640x480, 320x240 | 1600x1200, 1280x960, 800x600, 640x480, 320x240, 176x144 | 1600x1200, 1280x960, 800x600, 640x480, 320x240, 176x144 | 1600x1200, 1280x960, 800x600, 640x480, 320x240, 176x144 | 1600x1200, 1280x960, 800x600, 640x480, 320x240, 176x144     | 1600x1200, 1280x960, 800x600, 640x480, 320x240, 176x144 | 640x480, 320x240, 176x144                           | 640x480, 320x240, 176x144                          |
| <b>General</b>  | Dimensions       | 12.76 inch (H) x 8.53 inch (Diameter) (324mm x 216.6mm) | 6.8 inch (H) x 4.5 inch (Diameter) (173mm x 115mm)         | 6.3 inch (H) x 4.3 inch (Diameter) (160mm x 109mm)         | 6.8 inch (H) x 5.3 inch (Diameter) (173mm x 135mm)      | 5.9 inch (H) x 7.13 inch (Diameter) (150mm x 181mm)     | 5 inch (H) x 5.5 inch (Diameter) (127mm x 140mm)        | 6.0 inch (L) x 2.8 inch (W) x 2.2 (H) (153mm x 72mm x 55mm) | 4.2 inch (H) x 5.6 inch (Diameter) (106mm x 143mm)      | 7.09 inch (H) x 2.76 inch (Diameter) (180mm x 70mm) | 4.2 inch (H) x 5.6 inch (Diameter) (106mm x 143mm) |

# Toshiba Analog Monitoring/Surveillance Cameras



|                 | Fixed Cameras    |  |                                   |                                   |  |
|-----------------|------------------|--|-----------------------------------|-----------------------------------|--|
|                 | Model: IK-64DNA  | IK-65WDA                               | IK-6550A                          | IK-6410A / IK-6420A               | IK-6210A                               |
| <b>Camera</b>   | Image sensor     | 1/3" CCD                               | 1/3" CCD                          | 1/3" CCD                          | 1/3" CCD                               |
| <b>Features</b> | Effective pixels | 570 TVL Night mode, 480 TVL Color mode | 520 TV Lines                      | 540 TV Lines                      | 480 TVL (IK-6410A), 540 TVL (IK-6420A) |
| <b>Video</b>    | Resolutions      | 768 (H) x 494 (V) effective            | 768 (H) x 494 (V) effective       | 768 (H) x 494 (V) effective       | 610 (H) x 492 (V) effective            |
| <b>General</b>  | Dimensions       | 2.48" (W) x 1.97" (H) x 4.57" (D)      | 2.74" (W) x 1.97" (H) x 4.56" (D) | 2.46" (W) x 1.97" (H) x 4.57" (D) | 2.46" (W) x 1.97" (H) x 4.57" (D)      |



|                 | Specialty Cameras     |                                 |                              |                             |
|-----------------|-----------------------|---------------------------------|------------------------------|-----------------------------|
|                 | Model: IK-7200A (IR*) | IK-DF02A                        | IK-DP30A                     | IK-1000                     |
| <b>Camera</b>   | Image sensor          | 1/3" CCD                        | 1/4" IT CCD                  | 1/4" IT CCD                 |
| <b>Features</b> | Effective pixels      | 480 TVL                         | 520 TVL                      | 480 TVL                     |
| <b>Video</b>    | Resolutions           | 768 (H) x 494 (V) effective     | 768 (H) x 494 (V) effective  | 658 (H) x 496 (V) effective |
| <b>General</b>  | Dimensions            | 3.26" (W) x 3.1" (H) x 5.4" (D) | 5.08" (diameter) x 3.94" (H) | 5.3" (diameter) x 8.8" (H)  |

\*1: Varies in accordance with the object, image quality, network environment and performance of the client used.  
\*2: Sound quality varies depending on the condition of the network.  
\*3: SRLED is Single Reflection LED