XProtect® Go 2

Specification Sheet
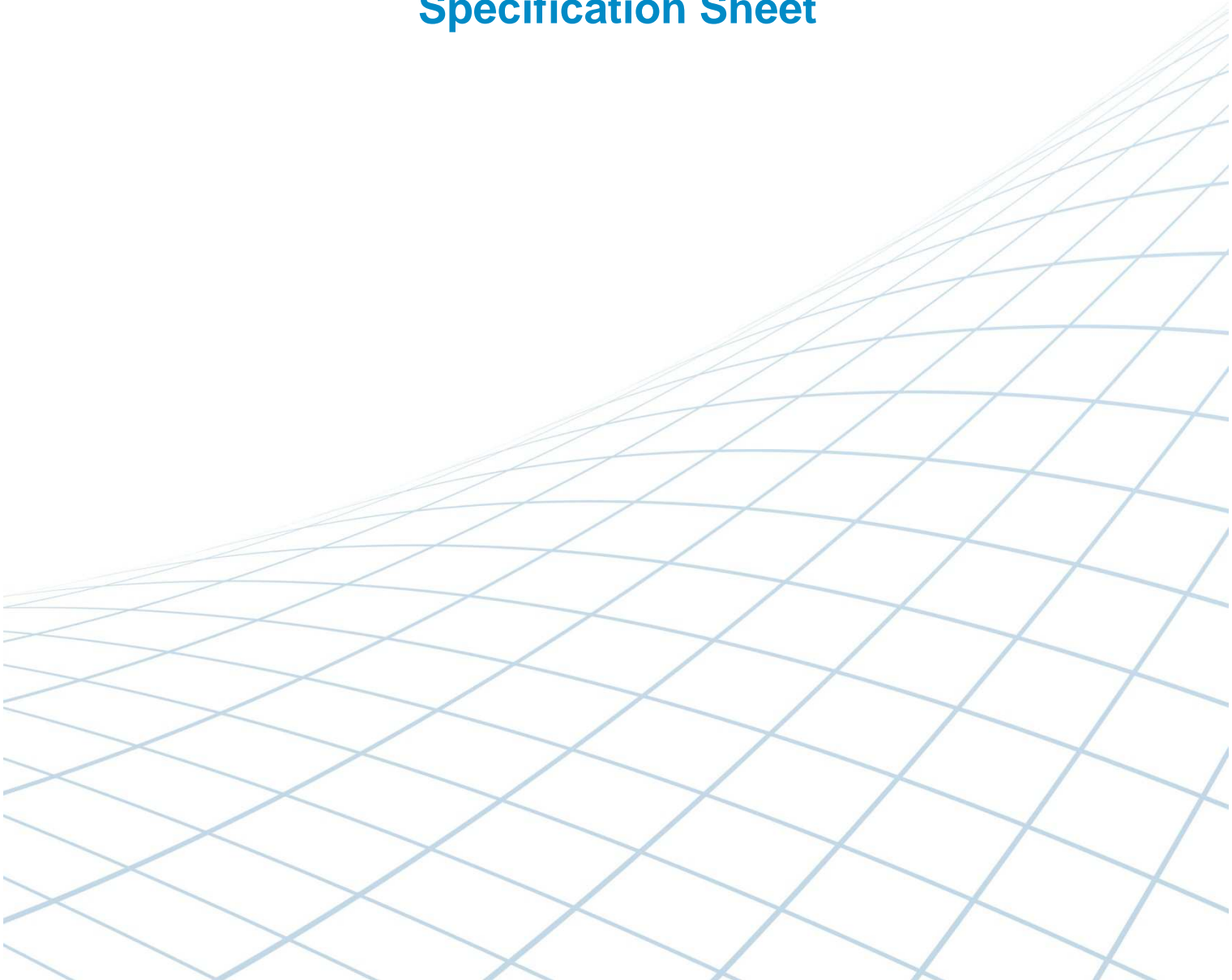
Contents

Feature Overview

XProtect Go Server modules

- **Single-server video surveillance solution:**
  Supports up to eight IP cameras, USB cameras or analog cameras
- **Single user system**
  Supports one concurrent user
- **Wide IP camera and device support:**
  Supports more than 1,000 IP cameras, encoders and digital video recorders (DVRs) from almost 100 different manufacturers
- **ONVIF™ and PSIA compliant:**
  Supports ONVIF™ and PSIA compliant cameras and devices
- **Optimized recording storage management:**
  Unique data storage and archiving solution that combines superior performance and up to five days low-cost video storage
- **Wide compression technology support:**
  Supports the new compression methods; MPEG4 ASP, MxPEG and H.264, in addition to MJEPG and MPEG4
- **Dual streaming:**
  Hardware use is optimized with two independent, configurable video streams; one for live viewing, and one for recording. No client side configuration needed
- **System configuration wizards:**
  Guides the user through the process of adding cameras, configuring video and recording, adjusting motion detection and user configuration
- **Built-in video motion detection:**
  Independent of camera model and supporting up to eight cameras simultaneously
- **Privacy masking:**
  The privacy masking capability enables administrators to define privacy masks for individual cameras to hide areas in the camera view that must not be visible or recorded in order to comply with local legislation
- **Easier installation:**
  Quickly start the installation with a few mouse clicks – all languages and applications in one installer (Management application supports 11 languages)

XProtect Go client modules

- **360° Panomorph lens technology:**
  Removes blind spots, tracks, detects and analyzes the entire area in live or playback mode– only one camera license required for the 360° Panomorph lens
- **Overlay buttons:**
  Intuitive control of cameras, camera-integrated devices and other integrated systems directly from the camera view
- **Multi-channel audio:**
  Receive sound from multiple input sources
- **Independent playback:**
  Instant and independent playback function allows you to independently play back recorded video for one or more cameras, while in live viewing or playback mode
- **Sequence Explorer:**
  Displaying sequences and time intervals in thumbnail previews, the Sequence Explorer gives unparalleled visual overview of recorded video combined with smooth navigation
- **Fast evidence export:**
  Seamlessly export video in various formats
- **Multiple language support:**
  Supports 26 different languages

Detailed Product Features

XProtect Go Server modules

XProtect Go Server 2

Management Application
- Single Management Application provides a consolidated single point access to XProtect Go Recording Servers.
- System configuration wizards guide the user through the process of adding cameras, configuring video and recording, adjusting motion detection and user configuration.
- Automated device discovery enables fast discovery of camera devices using methods such as Universal Plug And Play, Broadcast and IP Range scanning.
- Smart bulk configuration option allows changes to the settings across multiple devices simultaneously and in few clicks.
- Adaptable application behavior guides novice users, while expert users can optimize the application for efficient use.
- Export/import of system and user configuration data allows for reliable system operation and fast system recovery. System cloning for efficient rollout of multiple systems with the same, or similar, configuration.
- Import of offline configuration data enables offline editing of configuration data, including camera and device definitions.
- Automatic system restore points are created each time a configuration change is confirmed. Enables easy rollback to previously defined system configuration points and enables cancellation of undesired configuration changes and restoration of earlier valid configurations.

Recording Server
- Auto-detects camera models during setup.
- Up to eight installed cameras with simultaneous recording and live view of all the cameras.
- Recording quality depends entirely on camera and video encoder capabilities: no software limitation (30+ frames per second per camera).
- Dual streams from cameras can be individually optimized on compression, resolution and frame rate, meeting recording and live monitoring requirements.
- Multi-streaming optimizes bandwidth by splitting a single camera video stream to differentiated streams for live view and recording, where each can be optimized independently with respect to frame rate and resolution.
- Simultaneous digital multi-channel video and audio recording and live viewing (relaying).
- Connectivity to cameras, video encoders and selected DVRs supports MJPEG, MPEG4, MPEG4 ASP, H.264 and MxPEG

- Recording technology: secure high-speed database holding JPEG images or MPEG4 and MxPEG streams including audio.
- Unlimited recording capacity with multiple archives possible per day.
- Hourly to daily database archiving to additional local storage – with images still available transparently for playback, for up to five days.
- Start recording on event.
- Authenticate access based on local Microsoft® Windows user account, or XProtect user name and password.
- Authorize access privileges per local Windows user account, XProtect user profile or grant full access.
- Audit logs of exported evidence by user and file.
- Audit logs of client user activity by time, locations and cameras.
- Local console management of the Recording Server accessible from the notification area.
  - Start and stop Recording Server service.
  - Access to Recording Server configuration settings.
  - Accesses to Recording Server help system.
  - View system status and log information.
- Remote access for XProtect Smart Client
- User profiles control access to: Live view, pan-tilt-zoom (PTZ), output control, events, , manual recording; playback, AVI export, sequences and audio. User profiles also set up views edit private views and edit shared public views.
- Client-initiated start of recording based on pre-defined recording time or manual stop, and access privileges.
- Start cameras on live view requests from clients.
- Built-in, real-time, camera independent motion detection; fully adjustable sensitivity, zone exclusions, recording activation with frame rate speed up and alert activation through email or SMS.

XProtect Go client modules

XProtect Smart Client

- XProtect Smart Client includes all the features of XProtect® Smart Client – Player and XProtect Remote Client plus more:
- Installed per default on Recording Server for local viewing and playback of video and audio.
- Start recording on cameras for a pre-defined time (default five minutes). Subject to privileges set by administrator.
- Support for native 64-bit operating systems
- Independent playback capability allows for instant playback of recorded video for one or more cameras, while in live and playback mode
- Live view digital zoom allows zoomed-out recordings while the operator digitally can zoom in to see details.
- 'Update On Motion Only' optimizes CPU usage by letting motion detection control whether the image should be decoded and displayed or not. The visual effect is a still image in the view until motion is detected.
- Shared and private camera views offer 1x1 up to 10x10 layouts in addition to asymmetric views.
- Views optimized for both 4:3 and 16:9 screen ratios.
- Hotspot function for working in details with a camera selected from a view containing multiple cameras.
- Carousel function allows a specified view to rotate between pre-defined cameras with individual timing and order with multiple appearances. Carousel function can be controlled allowing the operator to pause the carousel function and to switch to a previous or next camera.
- Overlay buttons provide intuitive control of cameras, camera-integrated devices and other integrated systems directly from the camera view
- Cameras' built-in audio sources available in live and in playback modes.
- Separate pop-up window displaying sequences and time intervals in thumbnail previews, the Sequence Explorer gives unparalleled visual overview of recorded video combined with smooth navigation.
- Presents recorded sequences for individual cameras or all cameras in a view.
- Available in both live and playback modes
- Smooth navigation with sliding preview and "drag-and-throw" function for video thumbnails
- Instant playback of video sequences
- Application options allow users to adapt the layout and personalize the application to their particular preferences
- IPIX technology for PTZ in 360° recorded images.
- 360° ImmerVision Enables ® Panomorph lens technology

XProtect Remote Client

- View live video or playback recordings for 1-16 cameras simultaneously; from the same or different servers.
- Advanced video navigation including fast/slow playback, jump to date/time, single step and video motion search.
- Individual views can be user-defined in various layouts: view or playback camera images from multiple servers simultaneously in the same view.
- Shared views can be managed centrally via the server with admin/user rights and user groups.
- Import static or active HTML maps for fast navigation to cameras and good premise overviews.
- Control output port relay operation, for example control of gates.
- Quick overview of sequences with detected motion and preview window.
- Quick overview of events/alerts.
- Control PTZ cameras remotely, also using preset positions.
- Remote PTZ Point-and-Click control.
- Remote PTZ zoom to a marked rectangle.
- IPIX 1x2 or 2x2 'Quad View' for viewing all 360° at once.
- Optional video compression in streaming from server to client gives better use of bandwidth.
- Create AVI files or save JPEG images.
- System log on using XProtect user name and password.
- System log on using local Windows user

System Requirements

XProtect Go Server modules

XProtect Go Server 2.0a

- Hardware platform:
  CPU: Intel® Pentium® 4, 2.4 GHz or higher (Core™ 2 recommended).
  RAM: Minimum 2 GB (4 GB or more recommended).
  Minimum 1 GB free hard disk space available, excluding space needed for recordings.
  Ethernet: 1 *Gigabit* recommended
  HDD: E-IDE, PATA, SATA, SCSI, SAS (7200 RPM or faster).
  Onboard GFX, AGP or PCI-Express, minimum 1024 x 768, 16 bit colors.

- Operating system:
  Microsoft® Windows® XP Professional (32 bit or 64 bit*), Windows Server 2003 (32 bit or 64 bit*), Windows Server 2008 R1/R2 (32 bit or 64 bit*), Windows Vista™ Business (32 bit or 64 bit*), Windows Vista Enterprise (32 bit or 64 bit*), Windows Vista Ultimate (32 bit or 64 bit*), Windows 7 Professional (32 bit or 64 bit*), Windows 7 Enterprise (32 bit or 64 bit*) and Windows 7 Ultimate (32 bit or 64 bit*).

- Software:
  Microsoft .NET 4.0 Framework.
  DirectX 9.0 or newer.
  Windows Help (WinHlp32.exe).

  All are downloadable from
  http://www.microsoft.com/downloads

XProtect Go clients

XProtect Smart Client 6.0a

- Hardware platform:
  CPU: Intel Core2™ Duo, minimum 2.4 GHz or higher (more powerful CPU recommended for XProtect Smart Clients running a high number of cameras and multiple views and displays).
  RAM: Minimum 2 GB (higher RAM recommended for Smart Clients running high number of cameras and multiple views and displays).
  NETWORK: Ethernet (100 Mbit or higher recommended).
  HDD: Minimum 1 GB free.
  Graphics Adapter: AGP or PCI-Express, minimum 1024 x 768 (1280 x 1024 recommended), 16 bit colors.

- Operating System:
  Microsoft Windows XP Professional (32 bit or 64 bit), Windows Server 2003 (32 bit or 64 bit), Windows Server 2008 R1/R2 (32 bit or 64 bit), Windows Vista Business (32 bit or 64 bit), Windows Vista Enterprise (32 bit or 64 bit), Windows Vista Ultimate (32 bit or 64 bit), Windows 7 Professional (32 bit or 64 bit), Windows 7 Enterprise (32 bit or 64 bit) and Windows 7 Ultimate (32 bit or 64 bit).

- Software:
  Microsoft .NET 4.0 Framework
  DirectX 9.0.

XProtect Remote Client 3.7a

- Hardware platform:
  Minimum 2.4 GHz CPU, RAM 1 GB (2 GB or higher recommended on Microsoft Windows Vista).

- Operating system:
  Microsoft Windows XP Professional (32 bit or 64 bit*), Windows Server 2003 (32 bit or 64 bit*), Windows Server 2008 R1/R2 (32 bit or 64 bit*), Windows Vista Business (32 bit or 64 bit*), Windows Vista Enterprise (32 bit or 64 bit*) and Windows Vista Ultimate (32 bit or 64 bit*), Windows 7 Professional (32 bit or 64 bit*), Windows 7 Enterprise (32 bit or 64 bit*) and Windows 7 Ultimate (32 bit or 64 bit*).

- Software:
  DirectX 9.0 or newer required to run Playback Viewer application
  Microsoft Internet Explorer 6.0, or newer, 32 bit version required

*)   Running as a 32 bit service/application

Miscellaneous

Supported languages

XProtect Go Server 2.0a
- English, Portuguese (Brazil), Simplified Chinese, Traditional Chinese, Danish, French, German, Italian, Japanese, Russian and Spanish.
- Administrator's Getting Start Guide is available in English, Portuguese (Brazil), Simplified Chinese, Traditional Chinese, Danish, French, German, Italian, Japanese, Russian and Spanish.
- The XProtect Essential help system is available in English, French, Portuguese (Brazil) and Simplified Chinese.

XProtect Smart Client 6.0a
- English, Arabic, Bulgarian, Portuguese (Brazil), Simplified Chinese, Traditional Chinese, Czech, Danish, Dutch, Finnish, French, German, Hebrew, Hindi, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Russian, Swedish, Slovak, Spanish, Thai and Turkish.
- The XProtect Smart Client Help System and User's Manual are available in all languages except Bulgarian, Finnish, Hebrew, Hindi, Hungarian, Slovak and Thai.

Licensing structure

Base server license
- XProtect Go is completely free and only requires registration to operate beyond 30 days.
- Annual re-registration required for continued use.
- The XProtect Go free server license allows for up to eight devices to be added.
- The free server license contains the XProtect Go server modules: Recording Server, Recording Server Manager, Image Server, plus the client modules: XProtect Smart Client.

Client – Unlicensed
- The XProtect Smart Client is not licensed and can be installed and used on any number of computers. If you have the XProtect Smart Client installed on more computers, only one XProtect Smart Client can be logged in to the XProtect Go server.