Pro-Watch® 3.80

Security Management Suite

Designed to meet the challenges of today's demanding environments, Honeywell's Pro-Watch® security management suite provides the flexibility, scalability and control required for comprehensive security management. Pro-Watch equips organizations with the right tools to protect people, secure assets and ensure regulatory compliance by combining access control, digital video, intrusion and other functions into one powerful system.

Integration with access control and video systems from Honeywell and third party manufacturers makes it possible to leverage existing installed hardware as the system grows. Modular hardware and software options make it easy and cost-effective to expand a system to keep up with growing business needs.

The Pro-Watch suite offers base software licenses that address security needs from small sites to global enterprises:

• **Pro-Watch Lite Edition**: Basic functionality for the small office with support for up to 32 doors on PW-series panels and Rapid Eye. Badging not included.

• **Pro-Watch Professional Edition**: Complete security functionality with more options for medium-sized organizations with up to 64 doors or organizations requiring integrated processes or regulatory compliance.

• **Pro-Watch Corporate Edition**: Complete security for larger organizations and campuses. Additional high availability options make this edition the optimal choice for organizations requiring 24/7 business continuity plans for their security system.

• **Pro-Watch Enterprise Edition**: Global security system that merges multiple Pro-Watch Corporate Edition systems to efficiently manage badgeholder data and report on events across the organization.

Pro-Watch streamlines tasks with a common user interface to improve operator effectiveness and help organizations minimize training costs. Events may be routed to specific workstations and linked to automated system responses such as camera call-ups and outward notifications. Options for integrating intercom and mass notification components provide a vital link to the security dispatch center.

Pro-Watch provides comprehensive options for audit and reporting to address forensics, compliance and business intelligence data mining needs. Basic reports include more than 40 templates to view data and can be exported as XLS, CSV, and PDF formats.

Pro-Watch provides a solid and proven platform for security systems. It is deployed widely and successfully in office buildings of any size, manufacturing facilities, campuses, government buildings and critical infrastructure.

FEATURES

• Supports Windows 2008 Server, SQL Server 2008, and Windows 7 Professional/Ultimate (32-bit and 64-bit)

• Supports Windows 2003 Server, SQL Server 2005, Windows XP and Windows Vista (32-bit)

• Installer program streamlines Windows and SQL account setup for Pro-Watch logins in non-domain environments

• Single user interface for multiple security and business functions

• Integrates video and access control

• Elevator control

• Tracks assigned assets

• Custom triggers and procedures

• Associates events to actions including sending e-mails, running a stored procedure, or triggering a panel I/O point. Events may be triggered at the Pro-Watch level for panel-to-panel and panel-to-software actions or within a panel for local actions.

• Basic reports

• Compliance Reports option that offers
  – Data and statistical reporting
  – Auto generated reports upon schedules

• Easy system setup and maintenance with user definable hardware templates

• Database partitioning and definable operator permissions

• IP, serial and modem communications

• Professional, Corporate and Enterprise editions:
  – Badging and Advanced Badging client option
  – 2-D PDF417 barcode add-on license for badging
  – Option for Transportation Security Clearinghouse (TSC) background checks in Pro-Watch AP (Airport)
  – Integration to Honeywell's VISTA FBP-128/256 in North America and to Honeywell's Galaxy Dimension GD-264, GD-520 in Europe
  – Event Procedures triggers on consecutive duplicate events
  – Mustering, anti-passback and guard tour

  – Minimum and maximum occupancy enforcement
  – Integrates video devices added in MAXPRO VMS
  – Supports Commend intercom system servers GE200, GE300, GE700 and GE800
  – Mass notification option to send messages to public displays, desktop notifications, e-mails, SMS, or automated calls to cell phones
  – Detailed historic records for tracking configuration changes, security operations and device events to comply with audit requirements for regulatory compliance
  – Intercoms linked to readers and locations on maps provide quick access to specific units
  – Supports R14 and later AutoCAD files (DWFx or XPS) with add-on license
  – Options for integrating biometrics, third-party hardware, radar-video solutions and IT convergence
  – High availability and redundant server solutions (Corporate Edition)

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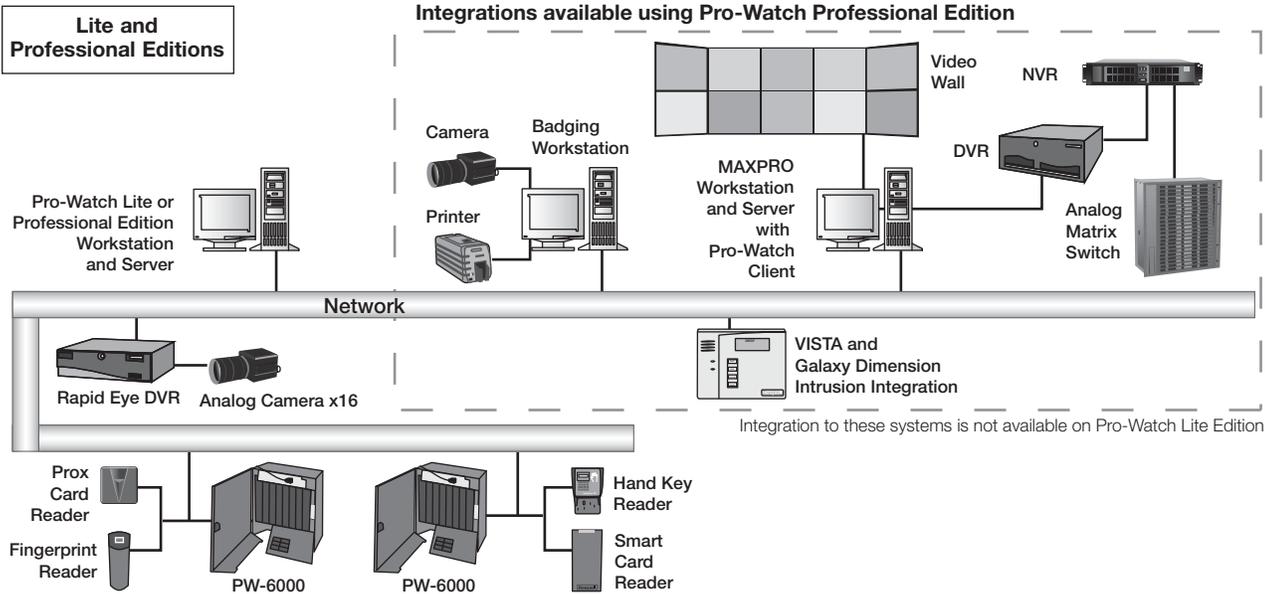## Security Management Suite

Small Systems
(Pro-Watch Lite and Pro-Watch Professional Editions)

Pro-Watch Lite Edition (PWLE) and Pro-Watch Professional Edition (PWPE) are optimized for the needs of smaller security systems. These editions leverage Microsoft SQL Express 2008 (included), so the server can be accommodated on either a workstation for a single PC or on a separate server. In either case, additional clients may be connected to the server up to supported limits. Refer to the specifications guide on page 5 for more details.

Pro-Watch Lite Edition offers basic functionality for the small office. Add-ons are limited to client licenses and Compliance Reports. PWLE features Pro-Watch 3000, 5000 and 6000 access controllers and Rapid Eye DVRs.

Pro-Watch Professional Edition is ideal when a site requires badging or integration, or whose size exceeds the limits of PWLE. A base PWPE license includes one badging client and numerous options are available.


Integration to these systems is not available on Pro-Watch Lite Edition

Medium and Large Systems
(Pro-Watch Professional and Pro-Watch Corporate Editions)

Both Pro-Watch Professional Edition (PWPE) and Pro-Watch Corporate Edition (PWCE) are targeted for the needs of medium to large installations. An IT topology deployment with a separate server is recommended. Workstations can be connected via LAN or WAN, making it convenient to manage multiple sites on a single server. PWPE features SQL 2008 Express (included) and PWCE installs onto SQL 2005/2008 (not included).

Both editions offer numerous options to meet a variety of security needs. For limits on connectivity support in PWPE, refer to the specifications guide on page 5.

PWCE is truly the best fit for the largest systems and campuses because it has no restrictions on numbers of add-on readers or workstations. Honeywell also offers redundant solutions on PWCE for organizations requiring 24/7 operations.

*Available only for Pro-Watch Corporate Edition
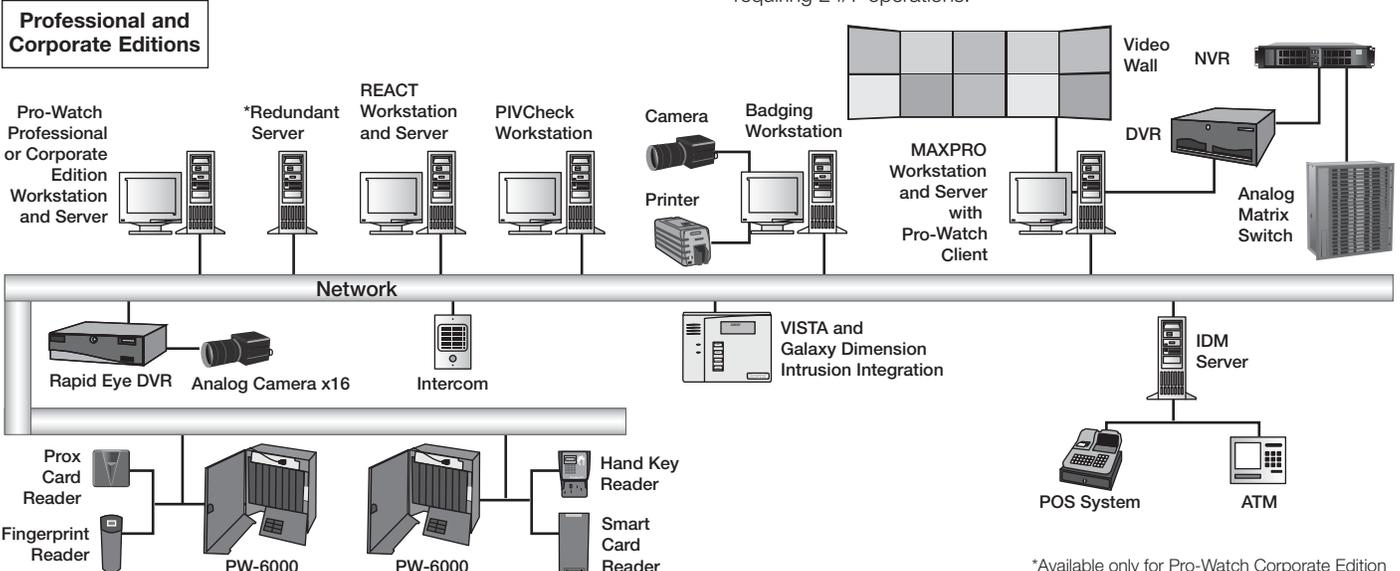
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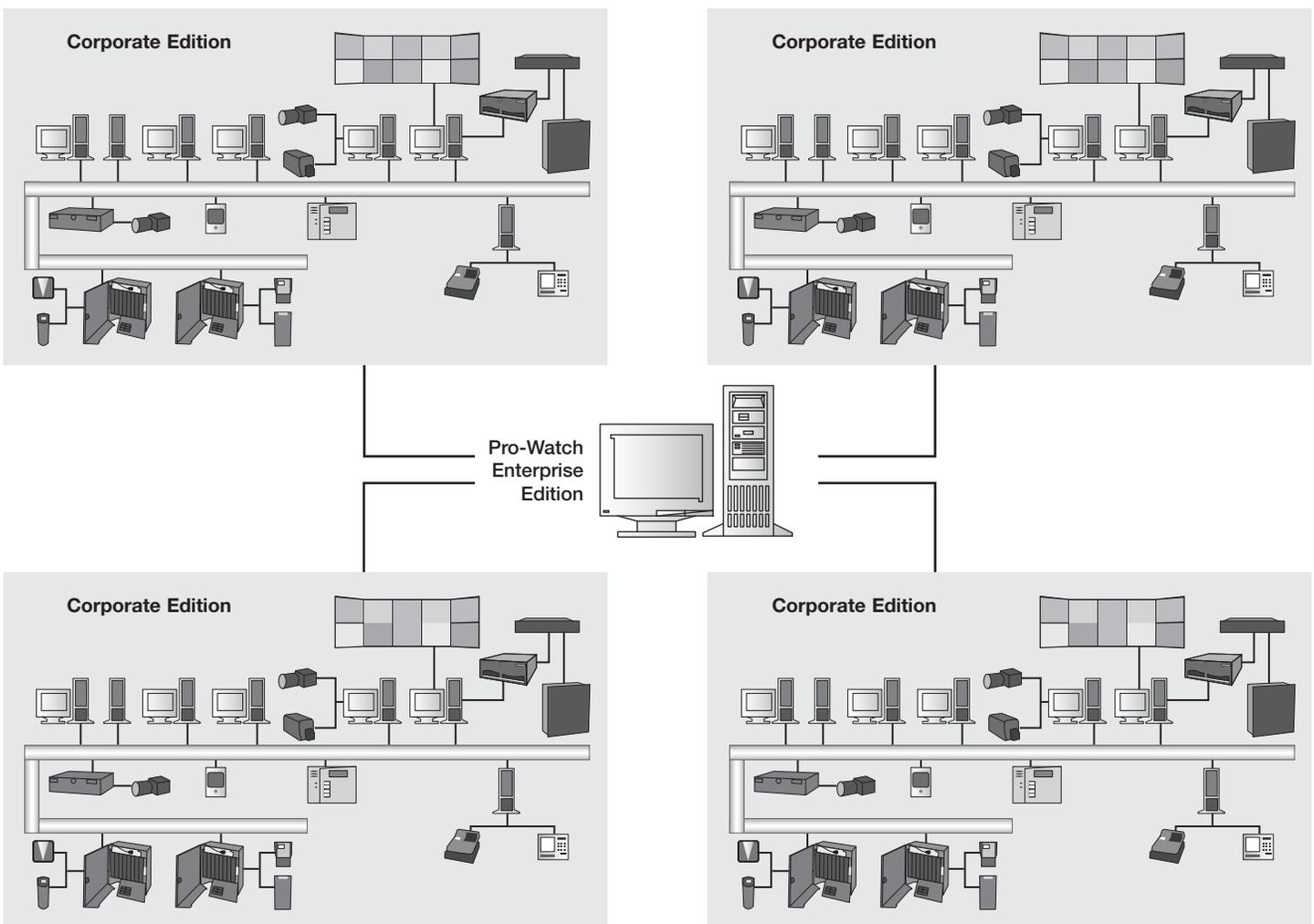## Security Management Suite

**Enterprise Systems
(Pro-Watch Enterprise Edition)**

Pro-Watch Enterprise Edition (PWEE) provides a security solution for the global organization by sharing badgeholder identities and event data across the organization.

With a PWEE system, an enterprise server facilitates two-way data sharing among regional servers. This enables single credential solutions across organizations.

If equipped with two or more Pro-Watch Corporate Editions (PWCE), an organization may easily upgrade its servers to become part of an Enterprise system. Each Corporate Edition server becomes a regional server and retains regional system control.

Enterprise Edition

Corporate Edition

Corporate Edition

Pro-Watch
Enterprise
Edition

Corporate Edition

Corporate Edition

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## Security Management Suite

Pro-Watch Series Access Controllers

- PW-6000 hardware supports up to 32 downstream RS485 I/O or reader boards.

- PW-6000 supports encrypted communication to host and 75-bit transparent PIV, TWIC and FRAC readers. The hardware is sold separately and is available bundled with Pro-Watch software in convenient kits.

- PW-3000 hardware supports up to 16 downstream I/O or reader boards. This hardware supports multiple mounting options including high density and tile mount configurations.

Compliance Reports

Pro-Watch Compliance Report Manager helps users create, run, and save custom audit, badge, statistical and transaction reports. Users can choose report columns, define hard-coded and runtime selection criteria filters, define report grouping and select report filtering. Once the report is viewed, users can swap, group or sort columns, print the results or export them to Excel, and save the report to be run anytime in the future—at their convenience or on a schedule. Compliance Report Manager also combines and reports on data from both Pro-Watch and MAXPRO VMS.
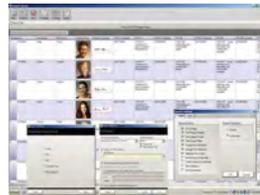
Bidirectional Intrusion Support*

Pro-Watch with VISTA and Galaxy Dimension intrusion integration simplifies the access control process by allowing users to arm or disarm the system with a card. If a user is granted access to a building but does not have the authority to disarm the system, the system can deny access and therefore prevent a false alarm. This is an improvement over a typical non-integrated solution where devices are not aware of what other devices are doing. Security is improved by eliminating user code sharing, by setting card-activated disarm time intervals, or by automatically arming the system when zero occupancy is achieved.

PIV Check*

PIVCheck Plus, Mobile and Desktop clients can register PIV and TWIC data easily into Pro-Watch. PIVCheck automatically validates, authenticates and registers PIV, TWIC, CAC, and FRAC cards into Pro-Watch.

MAXPRO VMS*

Controls multiple sources of video components in a facility to collect, manage and present video in a clear and concise manner. MAXPRO VMS intelligently determines the capabilities of each analog or digital video device across various sites, allowing video management of any device through a unified configuration and viewer. Drag and drop cameras from the Pro-Watch hardware tree into MAXPRO VMS views. Alarm integration and advanced features such as pursuit help the operator track a target through a set of sequential cameras with a single click.

Basic Badging*

Multiple card numbers may be assigned per badgeholder to accommodate multi-technology cards or other disparate systems. The system administrator can quickly add additional fields to track necessary badgeholder information.

Advanced Badging*

The Advanced Badging option features a streamlined user interface that makes it easy to separate badging functions from other Pro-Watch tasks. Advanced Badging enables the user to save favorite badge searches, badge audit views and compliance reports, making it easy to train badging offices, HR, remote offices and others to perform badging tasks.

Airport Badging*

Because airports are essentially multi-tenant facilities, management must ensure that all who enter have appropriate clearances/approvals before granting access. Airport Badging extends badging functionality to meet stringent TSA demands for vetting potential badgeholders at airports by supporting checks against the Do Not Fly list and the TSC.

Function	Basic	Advanced	Airport
Badge designer, multiple badge designs	√	√	√
Photo and signature capture	√	√	√
Assign and revoke multiple cards per person	√	√	√
Individual card printing	√	√	√
Assign access privileges	√	√	√
Batch card printing		√	√
Saving favorite searches		√	√
Badge audit view and compliance reports		√	√
Biometrics and DESFire smartcard support		Option	√
Do Not Fly list support			√
TSC (Transportation Security Clearinghouse) background checks			Option

Radar Video Surveillance (RVS)*

Honeywell's Radar Video Surveillance (RVS) automates detection, tracking and video response to identify potential threats before they reach the perimeter.

REACT Mass Notification*

Allows you to target specific messages to all users or specific user groups, or use targeted viewing devices such as public plasma screens. Messages can be informative or mission critical and associated with any event. Messages may be sent via public display monitors, desktop players, e-mail, SMS or cell phone.

High Availability Server**

Continuous availability options for LAN and WAN bring automation, monitoring, application management and replication together with a focus on maintaining user connectivity to critical applications. The result is the user is isolated from the impact of IT downtime to ensure no business downtime, even if an IT system must be shut down for maintenance.

* Feature not available on Pro-Watch Lite Edition.
** Feature only available on Pro-Watch Corporate Edition.

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SPECIFICATIONS

	Lite	Professional	Corporate	Enterprise[4]
Standard client licenses (non-badging)				
Quantity included with base system	1	1	1	2
Maximum quantity supported via add-ons	3	5	Unrestricted	Unrestricted
Badging client licenses[1]				
Quantity included with base system	N/A	1	1	N/A
Maximum quantity supported via add-ons	N/A	5	Unrestricted	N/A
Reader licenses				
Quantity included with base system	32	32	96	N/A
Maximum quantity supported via add-ons	32	64	20,000	N/A
Regional server licenses				
Quantity included with base system	N/A	N/A	N/A	1
Maximum quantity supported via add-ons	N/A	N/A	N/A	Unrestricted[2]
Compliance Report Manager client licenses				
Quantity included with base system	N/A	N/A	N/A	N/A
Maximum quantity supported via add-ons[3]	Limited by Standard Client Licenses	Limited by Standard Client Licenses	Limited by Standard Client Licenses	N/A
Database support				
SQL 2008 Express	Yes	Yes	No	No
SQL 2005/SQL 2008	No	No	Yes	Yes

1 Must have a standard client license on a machine in order to run an Advanced Badging client license.

2 Must order one regional server in an Enterprise system for each PWCE server in the system.

3 Compliance Report Manager is sold per Pro-Watch LE/PE/CE system as a site license and is also sold bundled with each Advanced Badging client license.

4 Enterprise system capabilities align with Corporate for respective regional servers.
   Enterprise systems link together two or more Corporate Edition systems to share badgeholder identities and events among the Corporate Edition systems.

Pro-Watch Client Workstation Requirements

Feature	Requirement
Recommended processor	Intel® Pentium® IV or equivalent
Recommended operating system	Windows XP SP3 or Windows Vista Business Edition SP2 (32-bit) Windows 7 Professional/Ultimate (32-bit or 64-bit) Windows 2003 R2 Server Enterprise or Standard edition Windows 2008 Server Enterprise or Standard edition (32-bit or 64-bit)
Recommended PC type	Workstation
Recommended system memory (RAM)[1]	1 GB for Windows XP SP3 2 GB for Windows Vista Business SP2 (32-bit) 2 GB for Windows 7 (32-bit and 64-bit)
CD and DVD drive	Yes
Hard drives	Capacity: 40 GB Software: Windows Operating System
USB connection	2.0
Network connection	100 Mbits/sec or greater
Video resolution	1024x768 pixels; 24-bit color or higher
Multimedia	Standard VGA Graphics Adapter [display adapter]

1 Includes RAM required by the client machine to run the Windows operating system.

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Pro-Watch Server[1] Requirements

Feature	Small System Requirement	Medium to Large System Requirement
Recommended processor	Intel® Pentium® Dual Core 2.8 GHz or equivalent	Dual-Core Intel® Xeon® 5160 3.0 GHz or equivalent
Recommended operating system	Windows XP SP3 Professional Windows Vista Business SP2 (32-bit) Windows 7 Professional /Ultimate (32-bit or 64-bit)	Windows Server 2003 R2 (32-bit) Windows Server 2008 (32-bit or 64-bit)
Recommended PC type (server or workstation)	Workstation or server	Server recommended Workstation supported
Recommended system memory (RAM)	4 GB	6 GB minimum (Windows Server 2003 R2 Standard Edition 32-bit only supports up to 4 GB)
CD and DVD drive	Yes	Yes
Hard drives[2, 3]	Capacity: 80 GB Software: Windows operating system, Microsoft SQL Server (PWCE only)	RAID Array 1: (OS) Configuration: RAID1 Mirrored for OS Minimum size for each drive: 73 GB RAID Array 2: (Application Databases) Configuration: RAID5 or RAID10 Minimum size for each drive: 250 GB Software: Windows operating system, Microsoft SQL Server
Removable media for database backup[4]	150 GB or larger USB drive	250 GB or larger USB drive
USB connection	2.0	2.0
Network connection	100 Mbits/sec or greater	100 Mbits/sec or greater
Video resolution	1024x768 pixels; 24-bit color or higher	1024x768 pixels; 24-bit color or higher
Multimedia	Standard VGA Graphics Adapter [display adapter]	Standard VGA Graphics Adapter [display adapter]

1 For a system to be considered small, the Pro-Watch system has fewer than 5 clients and less than 5,000 events per day. For a system to be large, it must have less than 50,000 events per day. If the system will have more than 50,000 events per day or is using server-side functions like anti-passback or event triggers and procedures, consult Honeywell for custom server sizing. Each server can run a single Pro-Watch communications server instance that accommodates up to 200 channels. For more channels, plan for additional servers accordingly. Also, sizing does not include sizing needs for integrated systems to share the same server.

2 RAID technology used for the larger system server – disk set 1 and 2. When several physical disks are set up to use RAID technology, the operating system will be installed as on single disk. OS installed on RAID1 mirrored set.

3 To estimate database storage space, use the following approximations and add to base database size of 500 MB:
   • Badgeholder storage = (# of badgeholders) x (75KB)* estimate based on typical captured picture size
   • Event history storage = (# of events per day) x (2.5 KB) x (# of days to retain in server)
   • Audit history storage = [(# of cardholder changes per day) + (# of system configuration changes per day) + (# of events per day) + (# of operator system changes per day)]* (1.2 KB) x (# of days to retain in server)

4 Honeywell highly recommends some type of removable media for daily database backups. Database backups should be removed from the server and stored in a safe, secure location so valuable data can be recovered in the event of system failure. We recommend two or more removable media per server based upon end user processes. Alternatively, Honeywell system installers can engage the end user's IT group to participate in some type of network backup program.

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ORDERING

Pro-Watch Lite Software

Base software license

PWLTSW8	Pro-Watch 3.80 LE Server Software - 1 Server License, 32 Reader License

Add-on client license

PWLT8SWCL	Single Concurrent User LE Edition Software License add-on

Upgrades

UPG8LTPE32R2U	Upgrade from Pro-Watch 3.80 LE to Pro-Watch 3.80 PE with one client
UPG8LTPE32R3U	Upgrade from Pro-Watch 3.80 LE to Pro-Watch 3.80 PE with two clients
UPG8LTPE32R4U	Upgrade from Pro-Watch 3.80 LE to Pro-Watch 3.80 PE with three clients

Pro-Watch Professional Edition Software

Base software license

PWPESW8	Pro-Watch 3.80 PE Server Software 1 Server License, 1 Concurrent User License, 1 Concurrent Advanced Badging License, 32 Reader License
PWPESW8C	Pro-Watch 3.80 PE Server Software 1 Server License, 1 Concurrent User License, 1 Concurrent Classic Badging License, 32 Reader License

Add-on client licenses

PW8SWCL	Single User Software License add-on for PWPE and PWCE
PW8BADGEL	Pro-Watch 3.80 Single Concurrent Classic Badging License add-on for PWPE and PWCE. This includes license only and requires a single concurrent client license (part PW8SWCL).
PW8ABADGEL	Pro-Watch 3.80 Single Concurrent Advanced Badging License add-on for PWPE and PWCE. (Compliance reports built into Advanced Badging Client). This includes license only and requires a single concurrent client license (part PW8SWCL).
Pro-Watch Airport Badging	Call for details
UPG8ABADGEL	Upgrade for a single Classic Badging license to an Advanced Badging License
PWADVREPORT	Pro-Watch Enhanced Report Software Server License (requires PW8SWCL)

Add-on reader licenses

PW8RDR32	32 Reader License add-on, in addition to the 32 standard readers. (PWPE supports a maximum of 64 readers.)

Upgrades

UPG8PECE32R	Upgrade from PE to CE for one server, maintains user count from PE and increases readers from 32 to 96
UPG8PECE64R	Upgrade from PE to CE for one server, maintains user count from PE and increases readers from 64 to 96

Pro-Watch Corporate Edition Software

Base software license

PWCESW8	Pro-Watch 3.80 CE Server Software 1 Server License, 1 Concurrent User License, 1 Concurrent Advanced Badging License, License for 96 readers
PWCESW8C	Pro-Watch 3.80 CE Server Software 1 Server License, 1 Concurrent User License, 1 Concurrent Classic Badging License, License for 96 readers

Add-on client licenses

PW8SWCL	Single User Software License add-on for PWPE and PWCE
PW8BADGEL	Pro-Watch 3.80 Single Concurrent Classic Badging License add-on for PWPE and PWCE. This includes license only, and requires a single concurrent client license (part PW8SWCL).
PW8ABADGEL	Pro-Watch 3.80 Single Concurrent Advanced Badging License add-on for PWPE and PWCE. (Compliance reports built into Advanced Badging Client) This includes license only, and requires a single concurrent client license (part PW8SWCL).
Pro-Watch Airport Badging	Call for details
UPG8ABADGEL	Upgrade for a single Classic Badging license to an Advanced Badging License
PWADVREPORT	Pro-Watch Enhanced Report Software Server License (requires PW8SWCL)

Add-on reader licenses

PW8RDR32	32 Reader License add-on
PW8RDR64	64 Reader License add-on
PW8RDR128	128 Reader License add-on
PW8RDR256	256 Reader License add-on
PW8RDR512	512 Reader License add-on

Pro-Watch Enterprise Edition Software

Base software license

PWEESW8	Pro-Watch 3.80 EE Server Software - 1 Enterprise Server License, 1 Regional Server License, 2 Enterprise Client Licenses

Add-on client license

PWEE8SWCL	Single User Software License Add-on to connect to a PWEE server

Add-on regional server license

PWEE8SWRS	Single Regional Server License Add-on to a Pro-Watch CE server to allow connection to a PWEE system

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ORDERING

Common Add-ons and Accessories for Pro-Watch Professional Edition and Corporate Edition

Client add-on licenses

PWDWFX	Plug-in for viewing DWFX format files (supported by AutoCAD 2008 and later) in Pro-Watch. License required per concurrent standard client license (PW8SWCL)
PWPDF417	Plug-in for Classic, Advanced and Airport Badging: Allows generation of PDF417 2-D barcodes. License required per concurrent badging client (PW8ABADGEL or PW8BADGEL).

Badging hardware accessories

PBCAM21	USB 2 Megapixel Camera
PBCAM21PS	Replacement power supply for PBCAM21
PBLK3	Single-point lighting kit for PBCAM21
3633-0003	MC200 PVC Printer
M9006-749	RIO 2E Simplex Printer
M9006-745	Tango 2 Duplex Printer

Intrusion panel connection licenses

PWVISTA1	One Panel License for VISTA-FBP128/256 (not available in Europe)
PWDIMEN1	License for One Dimension Intrusion Panel (not available in North America)

Data import/export license

PWDBUT	Pro-Watch Database Transfer Utility Import/Export

Intercom system connection licenses

PWINTSTENO	Pro-Watch interface to Stentofon Intercom System
PWINTCOMMEND	Pro-Watch interface to Commend Intercom System

Direct video connection licenses

PWNT3CCTVAD	Server License for American Dynamics CCTV Interface 2050 Megapower
PWNT3EXECCTVBR	Server License for Burle CCTV Interface Allegiant Series
PWNT3EXECCTVPE	Server License for Pelco CCTV Interface CM9760
PWNT3EXECCTVVI	Server License for Vicon CCTV Interface VPS1300
PWNT3EXECCTVIN	Server License for Integral Technologies Digital Video Interface

Redundancy for Pro-Watch Corporate Edition

Failover software licenses and installation support

PWHALAN	Legato failover for LAN with media primary and secondary machines must be in the same subnet and less than six miles apart. The network requirement is a 100 megabit full duplex link between the primary and secondary machines. Please contact your regional sales rep for details.
OSSNWLAN	On-site Support for Pro-Watch High Availability Software (LAN)
PWHAWAN	Replistor failover for WAN with media primary and secondary machines can be in different networks. Manual failover support only.
OSSNWWAN	On-site Support for Pro-Watch High Availability Software (WAN)

Licenses for redundant Pro-Watch CE server

PWCESW8-R	Redundant PWCESW Server & Dongle
PWCESW8C-R	Redundant PWCESW Server & Dongle
PW8SWCL-R	Redundant PWCE Single User License
PWCE8RDR32-R	Redundant PWCE 32-Reader License
PWCE8RDR64-R	Redundant PWCE 64-Reader License
PWCE8RDR128-R	Redundant PWCE 128-Reader License
PWCE8RDR256-R	Redundant PWCE 256-Reader License
PWCE8RDR512-R	Redundant PWCE 512-Reader License
PW8BADGEL-R	Redundant PWCE Classic Badging License
PW8ABADGEL-R	Redundant PWCE Advanced Badging License
PWADVREPORT-R	Redundant PWCE Advanced Reports License
PWDBUT-R	Redundant PWCE DTU License
PWVISTA1-R	One VISTA Panel Redundant
PWDIMEN1-R	One Dimension Panel Redundant
PWINTSTENO-R	Redundant Pro-Watch interface to Stentofon Intercom System
PWINTCOMMEND-R	Redundant Pro-Watch interface to Commend Intercom System
PWNTEXECCTVAD-R	Redundant PWCE AD CCTV License 2050 Megapower
PWNTEXECCTVBR-R	Redundant PWCE Burle CCTV License Allegiant Series
PWNTEXECCTVPE-R	Redundant PWCE Pelco CCTV License CM9760
PWNTEXECCTVVI-R	Redundant PWCE Vicon CCTV License VPS 1300
PWNT3EXECCTVINR	Redundant PWCE Integral CCTV License
PWDWFX-R	Plug-in for viewing DWFX format files (supported by AutoCAD 2008 and later) in Pro-Watch. License required per concurrent standard client license (PW8SWCL)
PWPDF417-R	Plug-in for Classic, Advanced and Airport Badging: Allows generation of PDF417 2-D barcodes. License required per concurrent badging client (PW8ABADGEL or PW8BADGEL).

Honeywell