

Feature Summary

S2 Pronto

- 100% Web user interface supports common browsers
- Wizard-driven 5-minute setup from power-up to access card read
- Supports proven S2 Security Network Nodes and MicroNodes
- Single cabinet design with expansion space for 4 blades
- Supplied external 12VDC power supply
- System "landing page" shows full system status at a glance
- Widget Desktop support for customized monitoring display
- Built-in documentation library with web browser access

S2 Pronto VR

- 100% Web user interface - including video functions
- Fully integrated video throughout the system
- Video display on landing page and widget desktops
- Forensic Desktop function locates and exports video evidence
- Support for many common IP cameras
- Single desktop or 19" rack mount (2U) appliance, 110/220 VAC
- Available with 2 TB storage, 8 cameras or 4 TB, 16 cameras

Product Overview

The S2 Pronto is a high performance, yet exceptionally easy to use security management system implemented as a web-based network appliance. Ideal for small to mid-sized commercial and high end residential applications, Pronto is part of S2 Security's NetBox family, proven over hundreds of thousands of operating hours in the field. The system integrates credential-based access control, intrusion detection, and video surveillance for a single facility, delivering a unified management and administration experience to your web browser.

The S2 Pronto VR edition integrates a full S2 NetVR, adding S2's video management capability including recording, advanced surveillance, and forensics. The seamless integration of access control, event monitoring, and video in the Pronto VR lets you do amazing things when it comes to finding the video you want in much less time than with conventional video management solutions. With the unique *Forensic Desktop* feature, event-related video can be on a DVD or in an email within minutes.

S2 Pronto and S2 Pronto VR offer powerful features, yet the user interfaces are completely intuitive, highly graphical, and very simple to use. Much of the configuration process is guided by wizards in the software, and complete user and installer documentation is built in and automatically indexed, so you get the information you need just when you need it. Because users of Pronto require nothing more than a standard web browser, it is simple to operate the system from almost any computer including many cell phones and mobile devices. Multiple users can operate the system simultaneously.

The standard Pronto is a 100% IP-based network appliance; the VR edition includes the upgraded system CPU, memory, and disk storage needed to store and retrieve security video. Users connect their web browsers over the network. Compatible intrusion detection and video management products are connected over the network,



as well. Other than terminal connections for access controlled doors and intrusion detection points, an IP network is all of the connectivity the system requires.

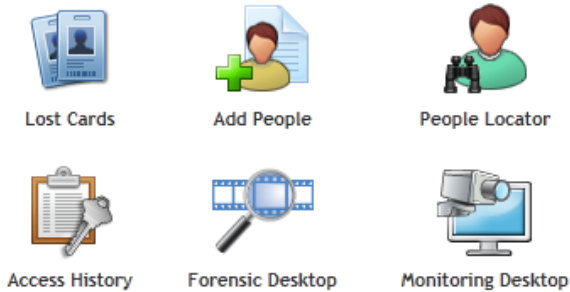
Pronto is provided in an enclosure that includes the Pronto network controller, an Access Control Module, and space for up to three additional modules. Add-on modules are available to support two full portals (2 readers, 4 inputs, and 4 outputs), eight inputs, eight outputs, or eight temperature points. Installers can mix and match blade types to achieve the required mix for their applications. Further expansion is easily obtained by adding additional nodes or MicroNodes to a limit of 32 readers, 512 inputs, and 512 outputs.

The VR edition is provided in a tabletop or 19" rack mount enclosure. The only connections required to a Pronto VR are line power and a network connection.

Total Integration That's Easy to Use

The S2 Pronto is incredibly easy to use. Although Pronto is a physical appliance that connects to a network, users access it using a web browser and the system operates like a very sophisticated web site.

The user experience is at once fast enough for the expert, yet intuitive enough for the occasional user. A *landing page* gives you a familiar place to start for any system function. Icon buttons, suitable for use with touch screens and mobile devices, easily guide you to commonly



Frequently used commands are one click away.

used functions. A unique *auto-monitor* displays abnormal system status, automatically clearing as conditions resolve. A text-filtered activity log can be searched at any time, and a virtual video monitor displays full screen with a single mouse click.

Access control configuration, often cumbersome and time-consuming in security systems, is a snap. During setup, Pronto automatically locates network connected access control devices on its local subnet, allowing them to be statically or dynamically addressed. Wizards then further speed the setup by automatically creating access control alarms, access levels, and configuration parameters. By following a few simple steps, Pronto can be brought from first power-up to the first access card read in about *five minutes*.

When it comes to usability, the Forensic Desktop in the Pronto VR is without equal. If you can read a system activity log, then you can find related video pretty much instantly. All event-related video can be located, literally, *in seconds*.

A Complete Solution

S2 Pronto is a *complete* solution. In addition to providing rich applications for access control, monitoring, and video management, Pronto handles routine system management chores ranging from installation through upgrade.

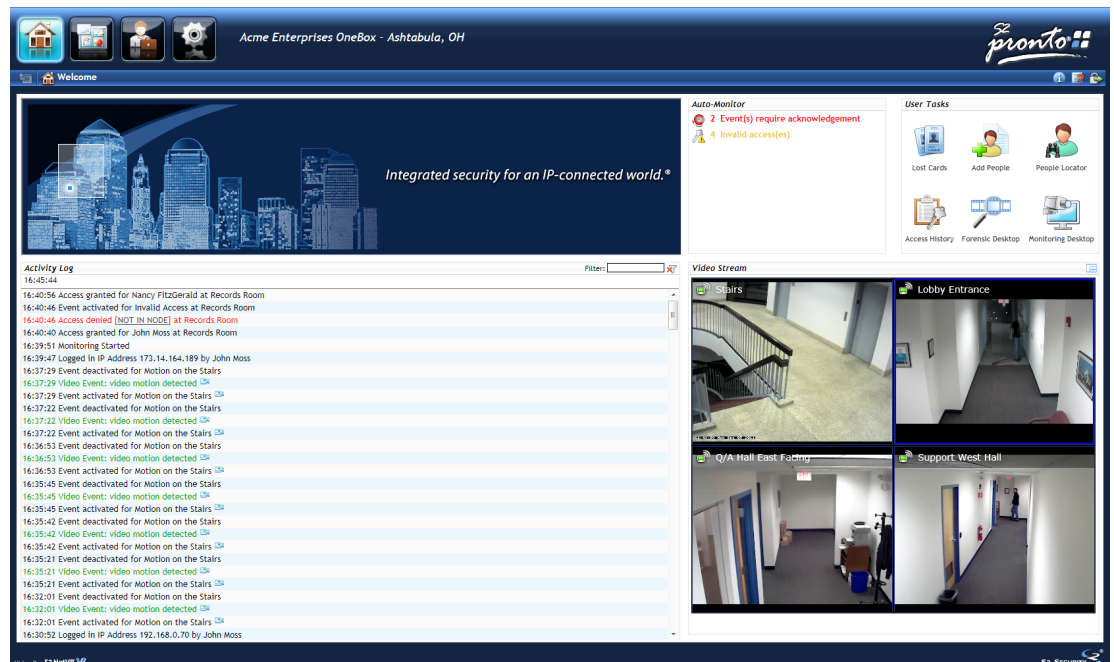
When starting out or migrating from another system, the provided Data Management Tool (DMT) can be used to perform initial data loads from a simple CSV file. Every night, data backups occur automatically and write their results to flash memory with optional duplicates written to NAS or an FTP server. And, database maintenance is performed silently, and automatically by Pronto itself, without user intervention.

As easy as the system is to use, should there ever be need to consult the documentation, a complete reference library is included built into the user interface. Software updates are available electronically, and are easily applied locally or remotely.

The S2 Pronto system is maintained, supported, and enhanced by S2 Security, the leader in advanced security network appliances. And, if users ever outgrow its capabilities, it's comforting to know that it can be field-upgraded to S2 NetBox or S2 Enterprise, retaining all the installed field hardware as well as the accumulated data.

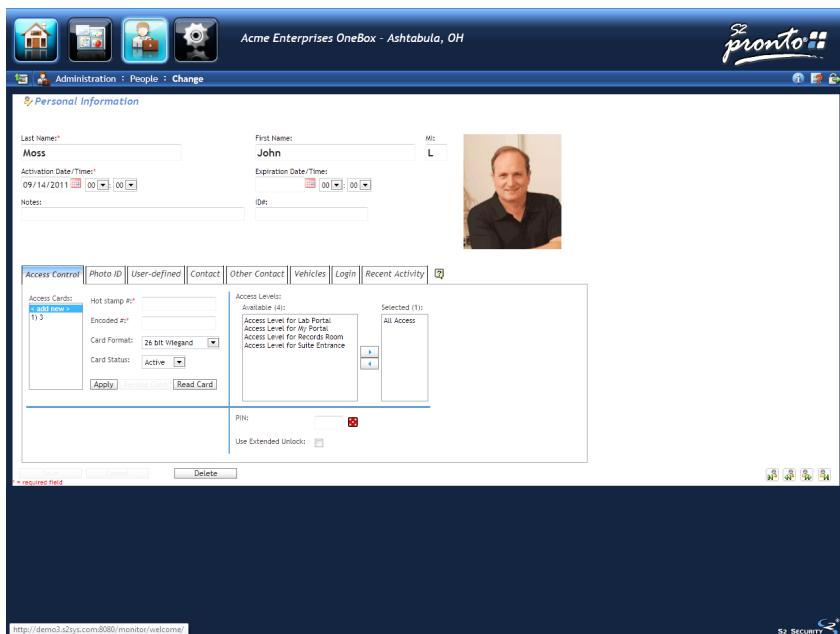
The Landing Page automatically displays upon login, giving instant access to commonly used system commands alongside complete status information and video.

Run a camera tour or display a multi-camera view right on the landing page.



Access Control Integration

At the heart of Pronto software is S2's access control system, proven in over 12,000 systems worldwide. Pronto access control lets you create a database of people, their credentials, and their access privileges. The system then manages the live access control administration and monitoring, archiving the history for reporting and optionally associating video with the access control events.



Managing an access control population is intuitive and highly graphical.

Data about access control credential holders is stored in a SQL-compliant database. In addition to access privileges, each person record optionally holds information about vehicles, personal data, and office directory data. Site-specific data can be entered and searched using the *person locator* feature that lets you quickly find one or more records that match related search terms. You can then list the matches and easily edit the resulting records.

A person's access privilege takes the form of one or more access levels which specify the locations and times that access is permitted. Programming access levels, a time consuming task for any access control system, is a non-event with Pronto. Simply use the standard wizard setup for portals (access points), and the system creates access levels. It's always possible to create an access level by hand, and completely customize it. Even though one or two access levels will suffice for most systems, person records hold up to 32 of them, allowing a unique access level for each portal if desired.

Every access processed by the system is recorded in a historical archive for later review, should that be desired. An access history report offers immediate access to this archive with various selection and sorting criteria. Accesses are displayed in the system activity log for real time viewing.

Pronto hardware supports a wide range of standard cards and readers, and handles mixed populations with credentials from multiple sources as well. The typically tedious task of determining card format and facility code is automated with the *card format wizard*, which does that configuration automatically based on a card read. S2 Security offers uniquely ID'ed proximity access cards and a selection of readers that are certified to work with the system.

Door management functions like scheduled unlock times and "first-in unlock" are standard. Also provided is S2's unique remote unlocking protocol. Designated access cards, when presented twice in quick succession, cause a sustained unlock or re-lock at portals where the feature is enabled.

Monitoring Integration

Systems spend much more time being monitored than they do being configured or administered, and Pronto pays special attention to creating an informative and flexible, yet completely intuitive monitoring experience. Access control logs, event monitoring, and video surveillance are seamlessly integrated throughout the system. Events in the activity log for which there is recorded video display an icon that replays that video instantly with one click of the mouse.

S2 Security's signature widget desktop lets you design your own monitoring and management displays that operate in real time.

Central station monitored intrusion detection[†] is incorporated into Pronto through its interface with DMP's XR500 series alarm panels. Users can monitor the alarm system, arming and disarming as required, while the central station dispatches first responders as necessary. Alarm panel status can be monitored and changed from the included *alarm panel widget*.

The *activity log* displays all system activity as it happens. The log can be dynamically filtered by typing filter text, and the log immediately responds. Entries in the activity log include embedded links so, for example, simply clicking on a person's name in the log immediately displays the system's record for that person.

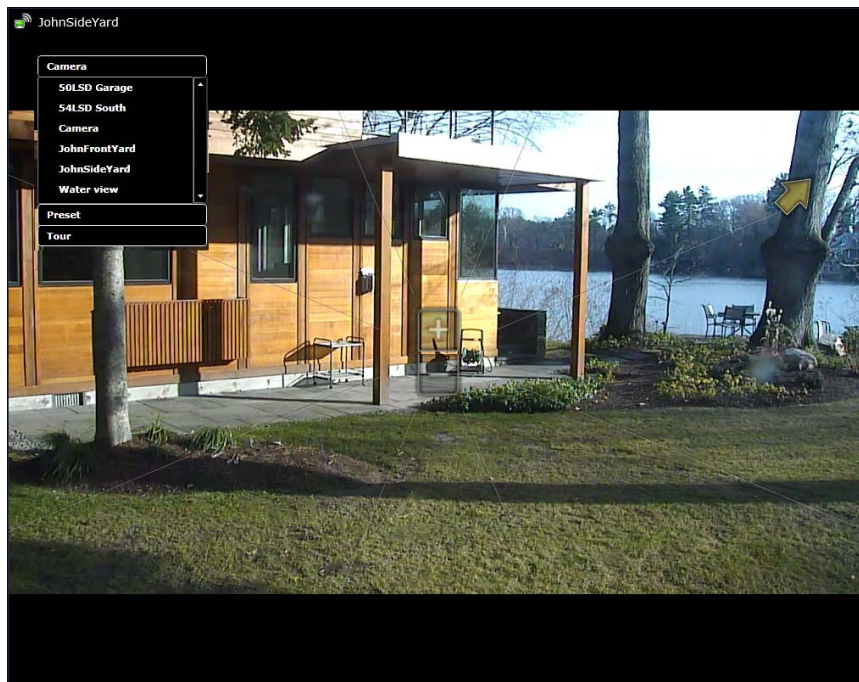
A wide variety of system events can be monitored, and system status can be seen at a glance in the *Auto Monitor* where you can find out more in *zero* clicks; just slide the mouse over an item to see the details of that item. For events that require acknowledgement by a user or for which there are detailed instructions, the system provides an *event widget*. With it, outstanding events are displayed and can be sorted, acknowledged, and details reviewed.

Integrated Video Surveillance

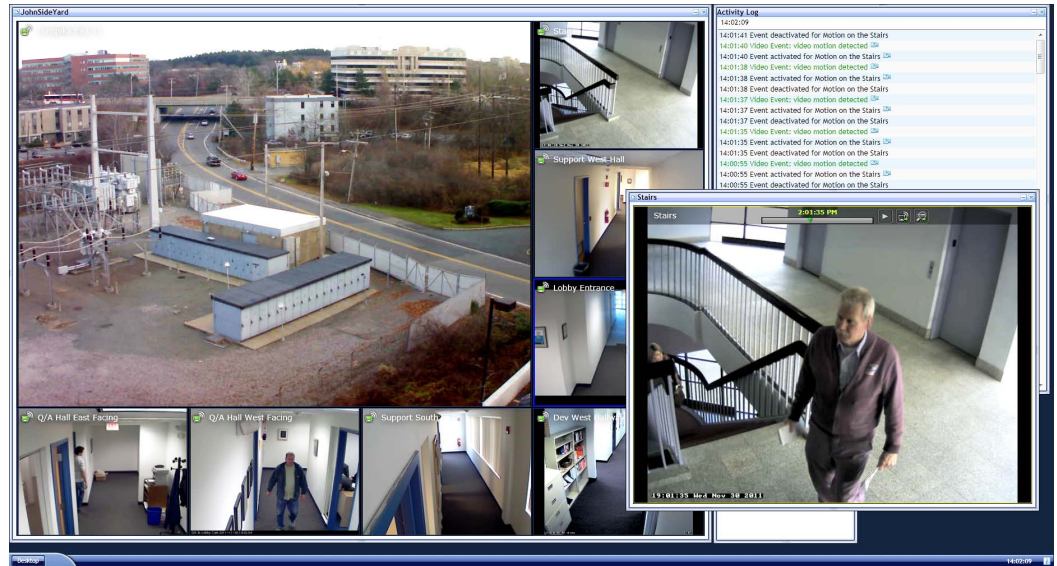
Real-time surveillance video is integrated on the Landing Page, the Monitoring Desktop, and any Widget Desktops programmed by the users of the system. On the landing page, you can display a single camera or multi-camera views. The video scales with the size of your browser window, and a single click toggles the between video-only and video-plus-data displays.

The Widget Desktop is the video surveillance center. The familiar drag-to-resize gestures expand or shrink the video display as desired. Video for current and recent alarms can be displayed with a single mouse click, right from the activity. If you prefer, the system can pop-up a video display when an alarm occurs. In all views, real time pan, tilt, and zoom controls are provided on-screen for cameras that support them.

S2 Pronto offers the industry's widest range of choices for video integration for this class of product. If an application requires view-only video, then Pronto offers simple video surveillance *without additional hardware*. If your browser supports it, Axis and IQinvision camera displays use manufacturer-supplied controls for an enhanced viewing experience. Cameras for which support is not built into Pronto can be added through a command in the Pronto user interface that accepts the camera manufacturer's control strings.



Video viewers in Pronto VR let users change cameras, presets and tours as well as perform pan, tilt, and zoom functions.



A sample Widget Desktop display showing a "1+7" video matrix, and an activity log. The overlaid video shows an instant replay of event-related video.

If your application requires recorded video, the S2 Pronto VR takes your video management system to a whole new level. Costing little more than a conventional network video recorder, the Pronto VR offers video management capabilities that are simply unavailable anywhere else.

To begin with, all video is displayed in the web browser at frame rates typically seen only in installed-client applications. This means that you can see and browse video from anywhere that has permitted access to the network. Change camera views and presets, pan, tilt, and zoom them, and run video tours - all from the web browser.

The video surveillance experience is much more advanced in the Pronto VR. To move a camera, just hold the mouse button down until you see what you want. A superimposed arrowhead shows which way the camera is moving, and you can easily adjust the rate of camera movement by moving the mouse in or out from the center of the picture. The arrowhead gets larger or smaller to indicate the rate of motion selected. You can also position the camera with presets. They're very easy to define, and can be selected from the real time video display.

Video can be played back instantly by clicking an icon on the real time activity log. You can then easily step through, frame by frame, to see the exact event of interest.

Forensics: Powerful, Integrated, Easy

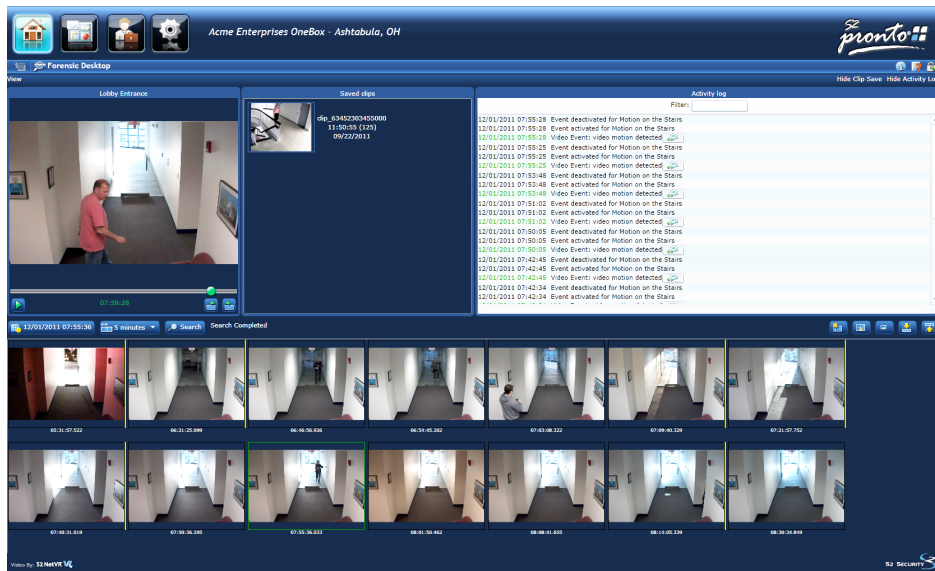
The S2 Pronto VR takes the view that video data isn't useful if you can't easily and quickly find the scenes you want after you've recorded it.

complex or unavailable in another system. Just roll your mouse pointer over a field, click once, and your search begins. No search language to learn, no forms to fill. Its so simple, yet so powerful, that with the Forensic Desktop you'll get a lot more out of the video you capture because its so easy to find what you want.

Forensic Case Library

Once you've located a video clip you're interested in, you can save it in the *forensic case library* for later use. Multiple clips related to the same investigation can be stored as a case for easy reference.

From the case library, you can print individual frames or export entire clips that can then be emailed or played on any computer. Printed frames include the metadata describing the frame, and any implied data such as the name



The Forensic Desktop uses time, visual information, and the Pronto's activity log to locate video of interest incredibly quickly. Once found, the video can be archived or exported.

With its advanced forensic search and case library, the Pronto VR goes way beyond conventional video surveillance products: it *integrates* the video record with the rest of your security system log. You get the text security system log, but now its enhanced by video.

Using the rich capability of the Forensic Desktop feature, you can search stored video based on recorder concepts like date, time, and camera. Or, you can search based on integrated concepts like access control reader, alarm, or even a person's name. Every search provides a set of chronologically ordered thumbnails, each containing recorded video.

Once you have video thumbnails, you can play them, expand their time lines, step through them frame-by-frame, or save them as a video clip.

Performing a video search is really easy. If you know the approximate date and time of an event, you can enter it and start searching. If you've programmed video recording in response to an alarm event, you'll see an icon that you can click to see the recording.

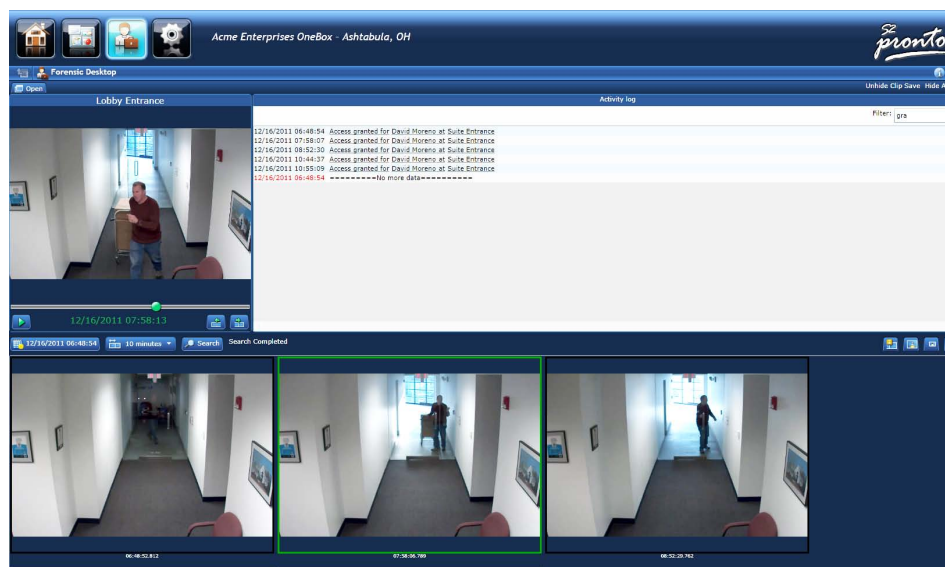
But even if you haven't set up video events, the Forensic Desktop finds your video for you, on the fly. Simply click on the name of a person, place, or log message to create the thumbnails that match your search.

With Pronto VR's activity log view, it couldn't be easier to perform a search that would be

of the person or portal to which the video is related.

You can add text notation to a clip when you add it to a case, and use searches to locate cases and clips later. Each case also contains a digital signature that creates a provable link between the external video and the Pronto VR that recorded it. Authenticating video this way is valuable in legal proceedings.

A clip view displays all the clips in a case and lets you easily locate the saved video you're looking for. The space in video storage taken up by cases is not reused until after you've safely archived them.



This access trace-by-name finds recorded video for each card access made with the credentials owned by a selected person.

Pronto / Pronto VR System Specifications

Access Control

Cardholders:	20,000
Online transactions	40,000,000
Available access levels	512
Available time specs	512
Unique user privileges	3
Simultaneous users	5
Readers (per enclosure)	8
Portals (nodes)	32 (16)
Max inputs/outputs	512/512

Minimum Requirements

Operating System	Windows XP, 7
Internet Explorer	Version 8, 9
Processor	Dual Core i5
RAM	8GB
Hard Drive	500GB
Screen Resolution	1600 x 1200
Silverlight	Version 4.0.60310.0

VMS (ProntoVR)

IP Camera Streams:	Up to 16
IP Camera Resolution:	IP Camera Dependent
IP Camera Frame Rate:	IP Camera Dependent
Compression Type:	MJPEG, H.264

Platform (ProntoVR)

Storage Max (internal):	4.0TB
Processor:	Intel Atom D525 (Dual Core)
RAM:	2.0GB (Max 4.0GB)
OS:	Ubuntu Linux 10.04 LTS
Serial Ports:	2
NIC (10/100/1000):	1
USB (2.0):	4

VGA Output:	Yes
Keyboard and Mouse Ports:	Yes (USB)
Sustained Hard Drive Throughput:	18MB/second
Compatible Client OS:	Windows 32/64 bit
Certifications / Compliances:	CE, FCC
Warranty:	2 Years (hardware)
Dimensions (H, W, D):	3.5in (2U) x 17in x 14.58 (8.9cm x 43.2cm x 37.0cm)
Weight:	11lbs (5Kg)
Operation Temperature:	32° – 95° F (0° – 35° C)
Storage Temperature:	-4° – 158° F (-20° – 70° C)
AC Input:	100 - 240 VAC 4 - 2A, 60 - 50Hz

Platform (Pronto)

Storage (internal):	4.0 GB
Processor:	Atom N2800
RAM:	2.0 GB
OS:	Ubuntu Linux 10.04 LTS
Serial Ports:	2
NIC (10/100/1000):	1
USB (2.0):	4
VGA Output:	Yes
Keyboard and Mouse Ports:	Yes (USB)
Sustained Hard Drive Throughput:	18MB/second
Compatible Client OS:	Windows 32/64 bit
Certifications / Compliances:	CE, FCC
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Operation Temperature:	32° – 95° F (0° – 35° C)
Storage Temperature:	-4° – 158° F (-20° – 70° C)
Power:	85-260 VAC (Max 49 W)
AC Input:	85-260 VAC (Max 49 W)

† Central station service is not provided by S2 Security and must be separately contracted.

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