**System Requirements**

**Technical Specifications**

<table>
<thead>
<tr>
<th>Workstation</th>
<th>Video Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Up to 100 camera channels and max. 160Mbps recording throughput</td>
</tr>
</tbody>
</table>

**Mechanical and Environmental Specifications**

<table>
<thead>
<tr>
<th>Workstation</th>
<th>Video Specifications</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Reduced frames per second in higher resolution.</td>
</tr>
</tbody>
</table>

**Supplied Accessories**

<table>
<thead>
<tr>
<th>Standalone Model</th>
<th>United VMS Model*</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRWKS06L</td>
<td>HRWKS10L</td>
</tr>
<tr>
<td>HRWKS12L</td>
<td>HRWKS12</td>
</tr>
<tr>
<td>HRWKS08L</td>
<td>HRWKS12</td>
</tr>
<tr>
<td>HRWKS12L</td>
<td>HRWKS12</td>
</tr>
</tbody>
</table>

**Power Cords**

- Single, Cabled, 55x55V
- Single, Cabled, 120V

**Dimensions**

- 414 x 172.6 x 473.4 mm (16.30 x 6.79 x 18.54") (H x W x D)
- 500 x 492 x 177 mm (19.8 x 19.3 x 7") (H x W x D)

**Mechanical and Environmental Specifications**

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<thead>
<tr>
<th>Workstation</th>
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<tbody>
<tr>
<td></td>
<td>Supports up to 48 camera channels and maximum 120Mbps</td>
</tr>
</tbody>
</table>

**Power Supply**

- Single, Cabled, 55x55V
- Single, Cabled, 120V

**Operating System**

- Windows 7 Professional, 64-bit
- Windows 8.1 64-bit

**Form Factor**

- 1U
- 2U

**Rack-Mount RAID Servers (1U and 2U)**

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<td>Dual NIC 1 Gigabit Ethernet RJ45 port</td>
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</tbody>
</table>

**Hard Drive**

- 5400 RPM; 60 GB for OS+SW
- 7200 RPM; 80 GB for OS+SW

**Optical Drive**

- 8x Slimline DVD+/-RW

**Memory**

- 2x4GB
- 8GB

**Processor**

- Intel Xeon E5-2620 v3 2.4GHz, 15M Cache
- Intel Xeon E3-1240 v3 3.4 GHz Cache

**Network Interface**

- Dual NIC 1 Gigabit Ethernet RJ45 port

**Video Specifications**

- Up to 100 camera channels and max. 160Mbps recording throughput

**Storage**

- 4TB raw (2.85TB usable)
- 8TB raw (5.85TB usable)
- 4TB raw (2.85TB usable)
- 8TB raw (5.85TB usable)

**Operating System**

- Microsoft® Windows® Server 2012 R2 Standard Embedded

**Technical Specifications**

- Pre-loaded with Horizon management software
- Quick and easy deployment
- ONVIF Profile S-conformant
- Sleek and modern EZ Client web interface
- Adaptive streaming for optimal viewing experience
- Health monitoring with FLIR Cloud Services

**SCALABLE AND AFFORDABLE VIDEO SURVEILLANCE WITH ENTERPRISE-CLASS PERFORMANCE AND FUNCTIONALITY**

The Horizon NVR delivers best-in-class performance, stability and unique price positioning for video installations of up to 128 cameras. Horizon is the ideal high-performance video surveillance choice for securing small-to-medium sized businesses with independent or multiple sites.

Feature-rich, highly scalable and third party compliant with an open standard, Horizon offers unparalleled value for installations such as retail, offices, small to mid-size manufacturing facilities, warehouses, educational institutions, and more. Set-up is exceptionally simple - operator training is not required. Users can view cameras and review recordings on dedicated workstations through a powerful EZ Client web interface from connected PCs.

**Key Features & Benefits**

- Pre-loaded with Horizon management software
- Quick and easy deployment
- ONVIF Profile S-conformant
- Sleek and modern EZ Client web interface
- Adaptive streaming for optimal viewing experience
- Health monitoring with FLIR Cloud Services

**Ordering Information**

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**Conclusion**

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2016 FLIR Systems, Inc. All rights reserved 06/30/2016.
The Choice is Yours

The Horizon NVR is available in various models so you can choose the form factor that fits your site and storage needs.

Horizon 7.0 Workstation

The Horizon NVR Workstation is a reliable, cost-effective solution for installations of up to 48 cameras. This open-standard NVR eliminates the need for additional client workstations for viewing purposes. With its extended storage (reaching up to 12TB) and improved performance, Horizon 7.0 accommodates more cameras and higher throughput, which is ideal for control centers that monitor many live HD streams.

Horizon 7.0 1U and 2U Rack-Mount Raid Servers

The Horizon NVR Raid Server is a powerful and cost-effective solution for installations of up to 128 cameras. Its advanced feature set allows for easy viewing, recording and playback of high-quality video and audio. The 1U server provides up to 12TB of storage and the 2U server provides up to 32TB.

NVR Server Architecture

A highly scalable solution, Horizon allows you to add more NVRs to the network so you can grow according to your needs. ControlCenter provides one, unified interface to view all of NVRs.

NEW IN 7.0

• Sleek and modern EZ Client web interface allowing for effortless deployment, simple user experience and touch screen optimization and support on multiple operating systems and browsers
  – Optimal viewing experience allows for fluid resizing and positioning of content for display
  – Responsive web design identifies device type and screen resolution
  – Optimized for touch screen functionality using latest technology and techniques to enhance the user experience
• Thumbnail search in Control Center and EZ Client for quick, accurate and easy forensic investigation
• Digital zoom in Control Center for PTZ functionality

Feature-rich Client Application

• Drives productivity for large installations
• Provides PTZ control including digital zoom control for clear identification
• Supports Guard Tours (layout tours) and camera sequences
• Provides an interactive HTML map support with links and command operations
• Supports CTVT keyboard support, connected either to workstations or encoders
• PTZ control including digital zoom control for clear identification
• Digital zoom indication in Control Center
• Supports Guard Tours layout tours and camera sequences
• Supports CTVT keyboard support, connected either to a workstation or an encoder
• PTZ control including digital zoom control for clear identification
• Digital zoom indication in Control Center

Recording

• Supports H.264, MPEG-4, and MJPEG video compression formats
• Records video or video linked with audio
• Supports Live viewing applications supported over iPhone, iPad and Android mobile devices
• Supports Guard Tours (layout tours) and camera sequences
• Provides an interactive HTML map support with links and command operations
• Supports CTVT keyboard support, connected either to a workstation or an encoder
• PTZ control including digital zoom control for clear identification
• Digital zoom indication in Control Center

Playback from archive

• Instant replay of any camera displayed over live in Control Center
• Synchronizes playback of multiple concurrent video sources or video and audio sources
• Controls playback speed and frame-by-frame playback
• Locks clips to be kept indefinitely
• Timeline colors indicate recording trigger – schedule, manual, alarm, event

Event logging and reporting

• Automatic execution of actions in response to events
• Events in the system are audited and updated in the database
• Reports can be viewed, exported to file, printed and sent via email

User management

• Configures users, user groups and their camera access rights and privileges
• Authenticates user login

Remote connectivity

• One ControlCenter monitors multiple Horizon systems concurrently
• Remote connection to Horizon over Wide Area Network
• User-defined video downscaling when transmitting video over Wide Area Network

Integrations

• Access control systems
• Point-of-sales software

United VMS

• Monitor several United VMS systems (Latitude, Horizon or Meridian) of all different sizes from a single control center application

FLIR VMS 7.0 EZ Client

Release Notes

• Provides Guard Tours layout tours and camera sequences
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