INFOLOCK

INSIGHT DLP SENSOR 0910S Appliance
Hardware Installation Guide

INFOLOCK

TABLE OF CONTENTS

1. RATINGS

V: 100 - 127 VAC
200 - 240 VAC
Hz: 50/60
A: 100 - 127V ~/ 9.2A Max (x2)
200 - 240V ~/ 4.4A Max (x2)

2. SITE PREPARATION

Setup location, rack and appliance precautions

- **Elevated Operating Ambient Temperature -** If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

  Always keep the rack's front door and all panels and components on the appliances closed when not servicing to maintain proper cooling.

- **Reduced Air Flow -** Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised. Leave enough clearance, approximately 25 inches in the front, and 30 inches in the back of the rack to enable you to access appliance components and allow for sufficient air flow.

- **Mechanical Loading -** Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

  ALL RACKS MUST BE MOUNTED SECURELY. Ensure that all leveling jacks or stabilizers are properly attached to the rack. If installing multiple appliances in a rack, make sure the overall loading for each branch circuit does not exceed the rated capacity.

  Do not slide more than one appliance out from the rack at a time. Extending more than one appliance at a time may result in the rack becoming unstable. Install your appliance in the lower part of the rack because of its weight and also for ease in accessing appliance components.

- **Circuit Overloading -** Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

- **Reliable Earthing -** Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

  Install near appropriate AC outlets, and Ethernet hubs or individual jacks. Be sure to install an AC Power Disconnect for the entire rack assembly. The Power Disconnect must be clearly marked. Ground the rack assembly properly to avoid electrical shock.
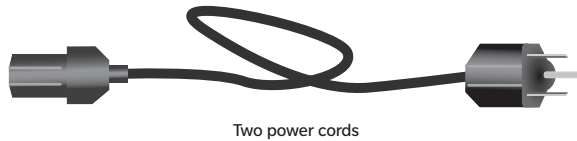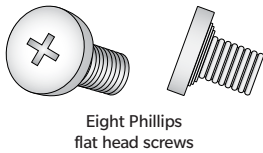
3. UNPACKING THE APPLIANCE

Make sure the ship kit includes the correct mounting hardware
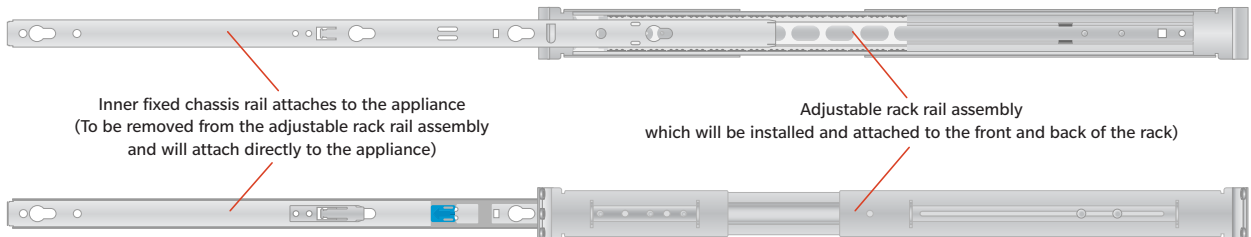
Mounting and installation hardware

- Eight Phillips flat head screws
- Two power cords

> **NOTE:** Use the hardware supplied with your specific rack if different from the hardware supplied in this kit.
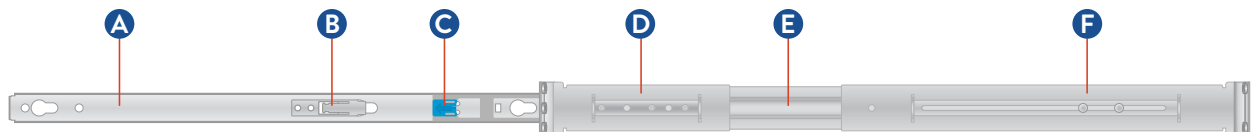
Eight Phillips
flat head screws

Two power cords

- A pair of 4-post rack sliding chassis rail rack assemblies as shown below

Complete chassis and adjustable rack rail assembly (inside view)

Inner fixed chassis rail attaches to the appliance
(To be removed from the adjustable rack rail assembly
and will attach directly to the appliance)

Adjustable rack rail assembly
which will be installed and attached to the front and back of the rack)

Complete chassis and adjustable rack rail assembly (outside view)

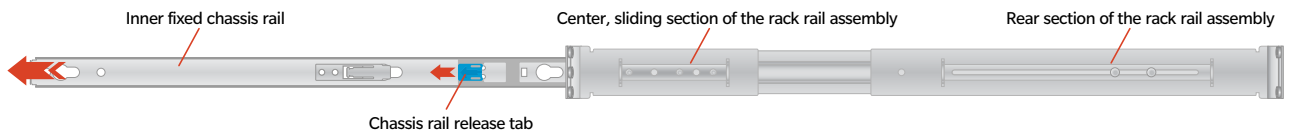|	
A	Inner fixed chassis rail
B	Chassis rail locking pin
C	Chassis rail release button
D	Adjustable rack rail, front bracket
E	Adjustable rack rail, center sliding rail
F	Adjustable rack rail, rear bracket

4.   4-POST RACK INSTALLATION

LOCATE THE MOUNTING HARDWARE

Step 1

Locate the two adjustable rack rail assemblies

- Remove the inner fixed chassis rails from each rack rail assembly.
- Pull each inner fixed chassis rail out as far as possible. Slide the chassis release tab forward to release the chassis rails from the rack rail assemblies. Slide each chassis rail completely out.
- Put these rails aside for later installation on the appliance in **Section 5** on page 6.

Inner fixed chassis rail   Center, sliding section of the rack rail assembly   Rear section of the rack rail assembly

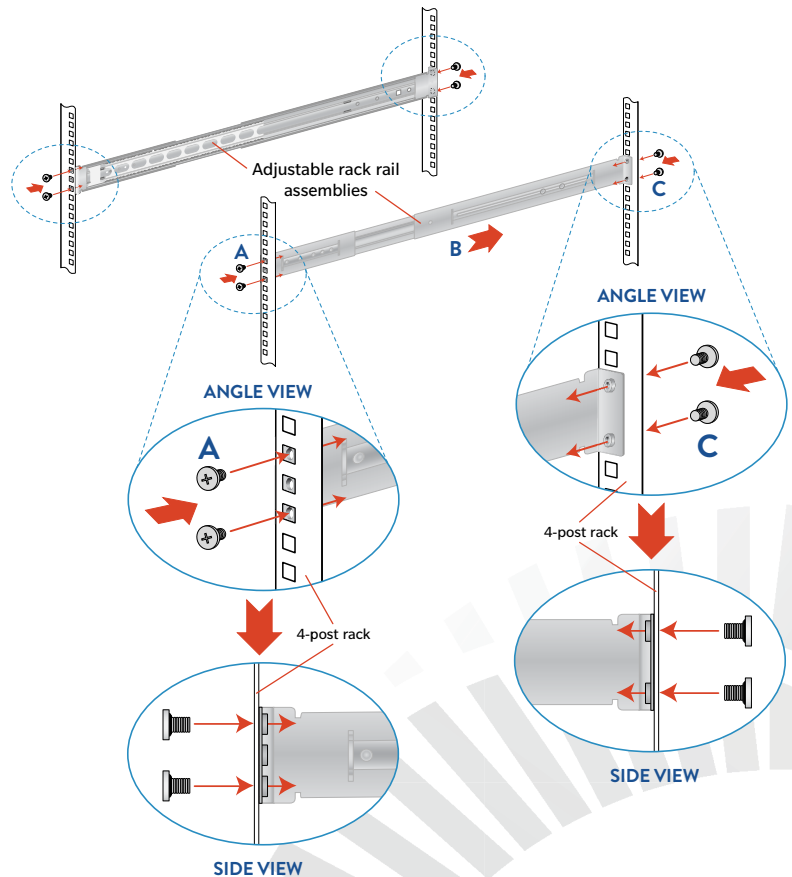Chassis rail release tab

Step 2

Rack Rail Assembly

A. In the front, align the front bracket of the adjustable rack rail assembly with three holes in the rack. The rack rail assembly will attach to the rack behind the holes in the front. Insert and tighten two of the flat head screws in the top and bottom holes as shown in the illustration on the right. The center hole will remain empty for later use to secure the appliance in the rack.

B. Slide the rack rail assembly back to attach the rear bracket to the rear of the rack.

C. In the rear, insert and tighten two of the flat head screws through the top and bottom holes of the rear bracket to the rear of the rack. The rear bracket will attach to the rack behind the post with the holes.

Repeat steps **A**, **B** and **C** to install the other rack rail assembly on the other side of the rack.

Adjustable rack rail assemblies

ANGLE VIEW

A

ANGLE VIEW

C

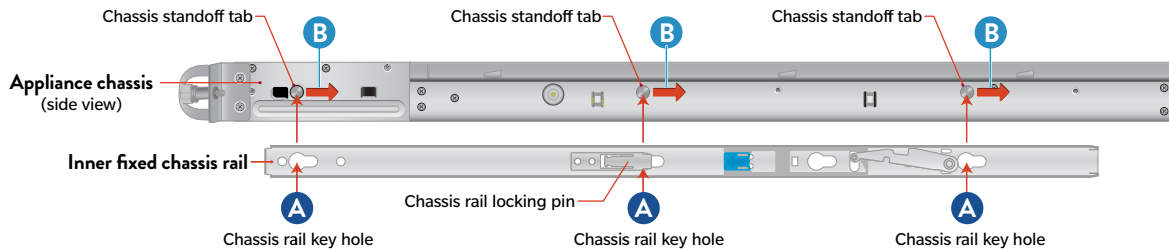4-post rack

SIDE VIEW

4-post rack

SIDE VIEW

NOTE: Make sure the rail assemblies are aligned in the rack not only in the front and back but also on the left and right sides to allow proper appliance installation.
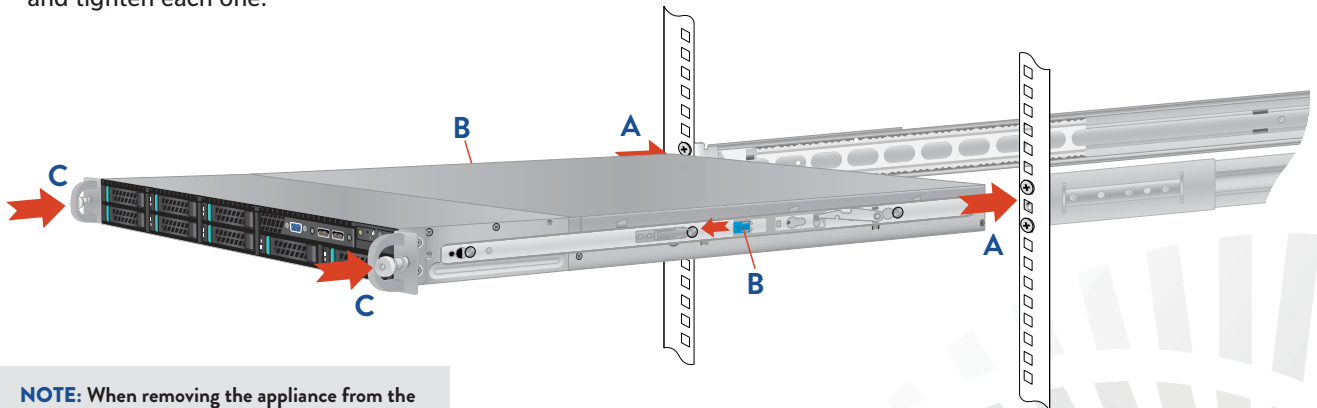
5. RAIL INSTALLATION ON THE APPLIANCE

Locate the fixed chassis rails that were put aside in Step 1 on page 5

- Mount the inner fixed chassis rails to each side of the appliance. Slide the chassis rail key hole cut outs **A** through the chassis standoff tabs **B** on the side of the appliance as shown below. Slide the chassis rail toward the back of the appliance. The chassis rail locking pin will secure the rail in place.

Chassis standoff tab   **B**   Chassis standoff tab   **B**   Chassis standoff tab   **B**

Appliance chassis
(side view)

Inner fixed chassis rail

Chassis rail locking pin

A   **A**   **A**

Chassis rail key hole   Chassis rail key hole   Chassis rail key hole

6. INSTALLING THE APPLIANCE IN THE RACK

A. Align the inner fixed chassis rails on the appliance with the assembled rack rail components previously installed in the rack. Carefully slide the appliance into these rails until you hear the rails click into place.

B. Slide the chassis rail release button forward to release the chassis rail. Push the appliance all the way into the rack.

C. Secure the unit in the rack by pressing the thumb screws on either side of the appliance into the holes in rack and tighten each one.
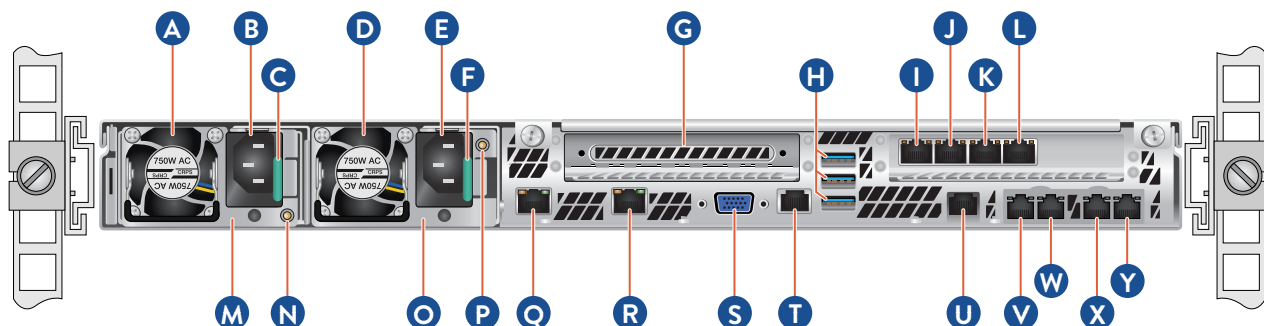
NOTE: When removing the appliance from the rack, you will need to pull the chassis release button forward in order to release the appliance from the rack. Carefully slide it out supporting the unit on both sides at all times.

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7. REAR PANEL CONNECTIONS

NOTE: Do not cable the Ethernet ports at this time.

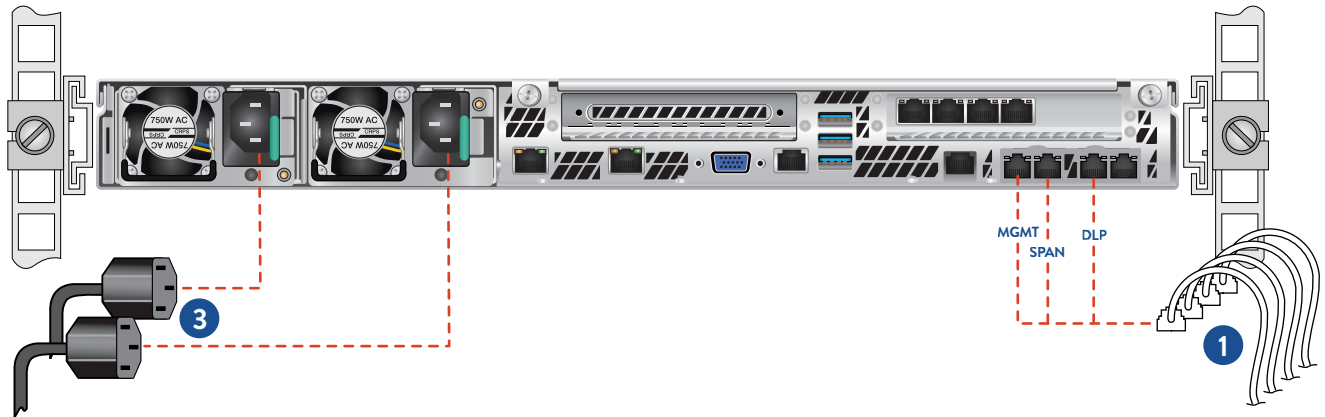|				
A	Power Supply Module #1 Fan	**M**	Power Supply Module #1
B	Power Supply Module #1 AC Receptacle	**N**	Power Supply Module #1 System Status LED
C	Power Supply Module #1 Lock	**O**	Power Supply Module #2
D	Power Supply Module #2 Fan	**P**	Power Supply Module #2 System Status LED
E	Power Supply Module #2 AC Receptacle	**Q**	eth8 Port
F	Power Supply Module #2 Lock	**R**	eth9 Port
G	Full Height PCIe Expansion Slot	**S**	VGA Port
H	Three USB Ports	**T**	Serial Port
I	eth4 Port	**U**	Remote Management Port*
J	eth7 Port	**V**	MGMT Port
K	eth6 Port	**W**	SPAN Port
L	eth5 Port	**X**	DLP Port
		Y	eth3 Port

*NOTE: Although IPMI and or Remote Management is available we do not support it. We recommend for the use of KVM with VGA and USB adaptor.

7. REAR PANEL CONNECTIONS (continued)

Step 1 Connect the Ethernet cables for MGMT, DLP, and SPAN (if required).

Step 2 Connect any other required cables.

Step 3 Connect the power cords.

Step 4 Proceed to **Section 8, Front Panel Operation** on page 9.

POWER SUPPLY STATUS LED

There is a single bi-color Power Good LED on each power supply module to indicate power supply status. The LED operation is defined in the table below.

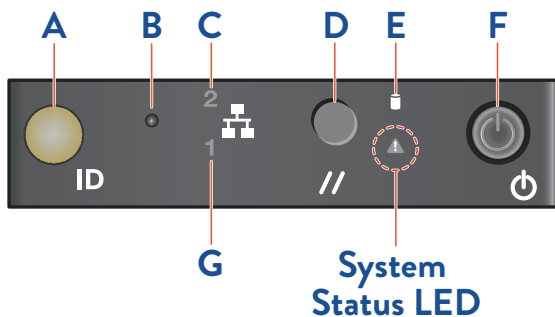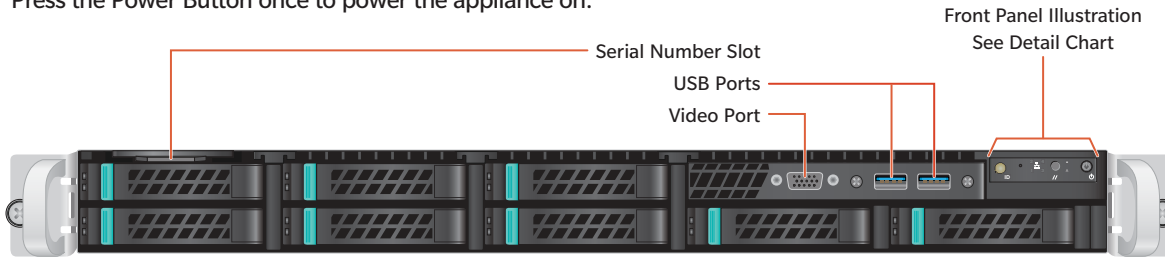| POWER SUPPLY CONDITION	LED STATE
Output ON and OK	GREEN
No AC power to both power supplies	OFF
AC present / only 12 VSB on (PS off) or PS in cold redundant state	1Hz Blinking GREEN
AC cord unplugged or AC power lost; with a second power supply in parallel still with AC input power	AMBER
Power supply warning events where the power supply continues to operate; high temp, high power, high current, slow fan	1Hz Blinking AMBER
Power supply critical event causing a shutdown; failure, OCP, OVP, fan fail	AMBER
Power supply FW updating	2Hz Blinking GREEN

In normal operation the Power Good LED on Power Supply Module 1 will be SOLID GREEN and the LED on Power Supply Module 2 will BLINK GREEN (redundant standby), if the system is powered down both LEDs will BLINK GREEN.

NOTE: The server offers redundant, hot-swap capability. The connections to AC mains should be made in a manner appropriate to local code and consistent with customer power distribution with or without redundant sources.

⚠️ **CAUTION**

The power supply is hot-swappable only when you have a server with redundant power supplies installed. If you only have one power supply installed, before removing or replacing the power supply, you must first take the server out of service, turn off all peripheral devices connected to the server, turn off the server by pressing the power button, and unplug the AC power cord from the server or wall outlet.

8. FRONT PANEL OPERATION

Press the Power Button once to power the appliance on.

Serial Number Slot
USB Ports
Video Port

Front Panel Illustration
See Detail Chart

A   B   C   D   E   F

G   System Status LED

A	System ID Button with Integrated LED
B	NMI Button (recessed, tool required for use)
C	SPAN Activity LED
D	System Cold Reset Button
E	Hard Drive Activity LED
F	Power Button with Integrated LED
G	DLP Activity LED

System Status LED

There is a bi-color (Green/Amber) LED on the Front Panel (shown on the left). The LED operation is defined in the following table.

LED COLOR	SYSTEM STATE	CRITICALITY
OFF	System is not operating	Not ready
GREEN	Solid - On	OK
GREEN	~1 Hz blinking	**Degraded** - system is operating in a degraded state although still functional, OR system is operating in a redundant state but with an impending failure warning
AMBER	~1 Hz blinking	**Non-critical** - system is operating in a degraded state with an impending failure warning, although still functioning
AMBER	Solid - On	**Critical, non-recoverable** - system is halted

9. BEZEL INSTALLATION ON THE APPLIANCE

Step 1: Align the bezel with the front of the appliance. Insert the right fixed bezel tab on the right side of the bezel into the handle on the right side of the appliance.

Step 2: Swing the left side of the bezel in toward the appliance. Press in on the bezel to engage the flexible bezel tab on the left side of the bezel into the handle on the left side of the appliance.

Left Flexible Bezel Tab

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Right Fixed Bezel Tab

P/N: INK-509-9744-00 **REV:** 0A

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