

! CAUTION

- Do not energize the system until these installation instructions have been read and followed to completion.
- All wiring should be done by a licensed electrician in accordance with state codes, local codes and National Electric Code (NEC) standards.
- Improper installation may result in serious injury and void warranty.
- Contains parts and assemblies susceptible to damage by electrostatic discharge (ESD).
- Refer to product label on the back of the monitor to confirm proper input voltage.
- Due to the requirements of the camera inside the housing, imager housings for all units, regardless of input voltage, are marked 'operates only on 12VDC'. The monitor will automatically regulate the proper voltage to the imager.
- Do not drill additional holes into the unit for any reason.
- It is important to make all connections between the monitor and imager before connecting the unit to the power supply.

Imager and Monitor Mounting

The IS2000 imager and monitor utilize the same shock mount base for vibration absorption. Fasten each with four (4) $\frac{3}{8}$ inch bolts through holes provided in each mounting base. Do not mount on unsupported cab or house roof. Attach near corner supports or use adequate sub-base. Avoid mounting on lightweight cross members of booms or derricks which will vibrate or flex excessively.

Do not weld mount. This will damage the unit beyond repair and void the warranty.

Monitor Information

Included with these instructions is a CD from VarTech Systems, Inc. This CD includes information on display adjustments, troubleshooting and maintenance in PDF format.

Note: Section 2, Section 4, Section 7 and pages 17-20 will not apply to the system as installed in the IS2000.

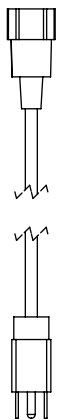
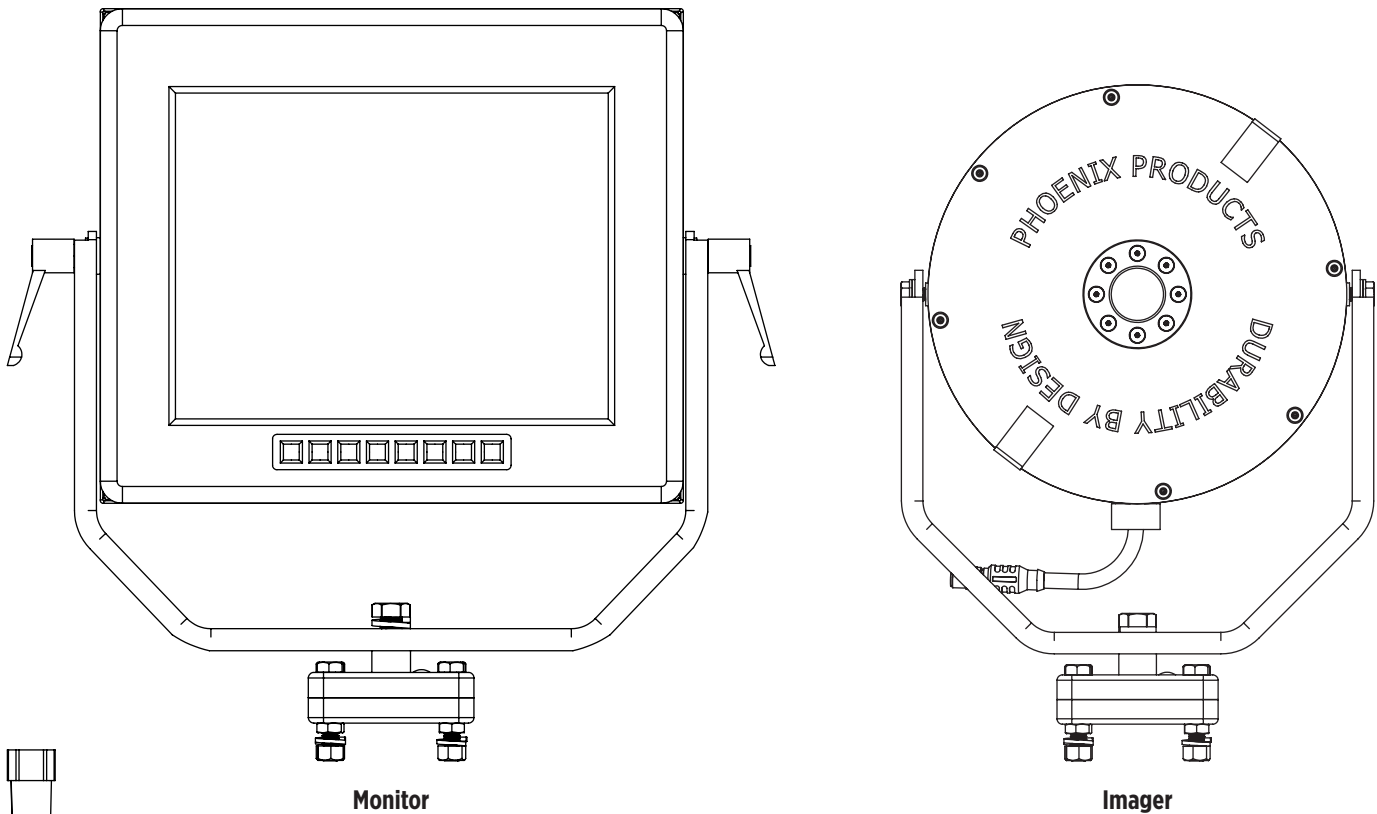
Imager Aiming

The IS2000 imager has a range of up to 985 feet (300 m). The 9 mm lens provides 35° HFOV (horizontal) by 27° VFOV (vertical). These specifications should be kept in mind while aiming the imager head during installation or other maintenance.

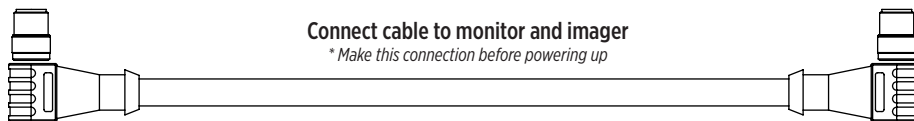


Imager & Monitor Wiring Schematic & Installation

1. Once imager and monitor are securely mounted, connect cable to bottom of imager and to back of monitor. Use clamp on imager harp to secure cable. Connectors are specific to the monitor or imager. Connectors are keyed to ensure proper pin alignment. Ensure orientation is correct before making connection to avoid damaging the pins. **See notes and drawings below for proper installation.**
2. Plug the power cable into the receptacle on back of monitor. Plug in to power supply. Refer to product label on back of monitor to confirm proper input voltage.
Note: Allow enough slack on the imager cable side so it does not pull on the cable connection during normal operation.
3. Press power button on front of monitor to activate the IS2000 system. There may be a short delay while the system boots up.



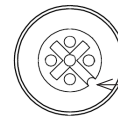
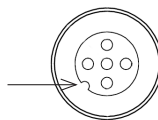
Connect power supply only after making cable connection between monitor and imager. Standard 120V, three-prong plug shown. Other voltage plugs and configurations are not shown in these instructions.



Connect cable to monitor and imager

** Make this connection before powering up*

This plug connector design is for monitor connection only. Watch for key alignment. Standard 90° connector shown. Other connector configurations are not shown in these instructions, but the same pin configuration should be used.



This socket connector design is for Imager connection only. Watch for key alignment. Standard 90° connector shown. Other connector configurations are not shown in these instructions, but the same pin configuration should be used.

Product design and specifications are subject to change without notice.