

# Science On a Sphere® Domestic Equipment List

(For Budget Estimates Only\*)

Equipment is not the total cost of a complete SOS system - see message below

These cost estimates are for DOMESTIC installations only.

For INTERNATIONAL installation, additional shipping and other costs will apply.

Description	Possible Supplier	Suggested Model (other parts may be substituted, but must be tested and certified to work)	Notes	Category	Qty
Sphere	Contact us	68" or 60" or 48" sphere	Custom Sphere	Required	1
Sphere shipping crate -domestic	Contact us		Wood Shipping Crate	Required	1
Sphere freight charge -domestic	Contact us		Location dependent	Required	1
Dell Precision Workstation <a href="http://sos.noaa.gov/Getting_SOS/equipment_list.html#computers">http://sos.noaa.gov/Getting_SOS/equipment_list.html#computers</a>	Dell	See URL	System Computer	Required	1
Video Projector <a href="http://sos.noaa.gov/Getting_SOS/equipment_list.html#projectors">http://sos.noaa.gov/Getting_SOS/equipment_list.html#projectors</a>	Various	See URL	High Brightness Video Projectors	Required	4
Video Extender <a href="http://sos.noaa.gov/Getting_SOS/equipment_list.html#extenders">http://sos.noaa.gov/Getting_SOS/equipment_list.html#extenders</a>	Various	See URL	For video cable runs	Required	4
USB Bluetooth Dongle	NewEgg	TRENDnet TBW-106UB	For SOS software key	Required	1
Apple iPad Remote Control <a href="http://sos.noaa.gov/Getting_SOS/equipment_list.html#ipad">http://sos.noaa.gov/Getting_SOS/equipment_list.html#ipad</a>	Apple	iPad or iPad Mini	Remote control alternative to the Wii.	Required	1
Wi-Fi Router	Various	TP-Link AC1750 Smart WiFi Router	Needed to handle iPad connection and network connection to computers.	Required	1
Cables - Video, Network, Audio <a href="#">See wiring diagram</a>	CablesToGo	Various	Computer interconnect.	Required	1
8 Port Gigabit Network Switch	NewEgg	Netgear GS108	High speed computer interconnect.	Required	1
LCD Monitor 21-23inch (must have DisplayPort connection)	Various	Dell E2318H	For system control and management	Required	1
Laser Level	Home Depot	Bosch GLL2-10 Cross Line Self Leveling Laser Level	For projector alignment	Required	1
Domestic shipping charges from site to NOAA (computers installation material)	Various		Location dependent	Required	1
Generic Projector Mounting	Various	Various (e.g. Chief or Premier)	Room dependent	Required	4
UPS	Various	APC BR1500G	For Computers	Site Config	2
Generic Audio System <a href="http://sos.noaa.gov/Getting_SOS/equipment_list.html#audio">http://sos.noaa.gov/Getting_SOS/equipment_list.html#audio</a>	Various	See URL	Mixer / Speakers / Wireless Mic. Site may use existing	Required	1
<b>Hot Spare Components</b>					
Dell Precision Workstation <a href="http://sos.noaa.gov/Getting_SOS/equipment_list.html#computers">http://sos.noaa.gov/Getting_SOS/equipment_list.html#computers</a>	Dell	See URL	Spare. Can be used for content development	Required	1
Video Extender <a href="http://sos.noaa.gov/Getting_SOS/equipment_list.html#extenders">http://sos.noaa.gov/Getting_SOS/equipment_list.html#extenders</a>	NewEgg	See URL	For video cable runs	Required	1
Video Projector <a href="http://sos.noaa.gov/Getting_SOS/equipment_list.html#projectors">http://sos.noaa.gov/Getting_SOS/equipment_list.html#projectors</a>	Various	See URL	Backup projector	Required	1
<b>Optional Hardware</b>					
2 Port DisplayPort KVM	Various	StarTech.com SV211DPUA	Allows for easy use of the back up computer	Optional	1
SOS Public Kiosk Hardware <a href="https://sos.noaa.gov/getting-sos/equipment-list/#optional-hardware">https://sos.noaa.gov/getting-sos/equipment-list/#optional-hardware</a>	Various	See URL	Allows visitors to control the sphere	Optional	1

**Modified:** 7/2019

**\*NOTE:** NOAA does not require the purchase of these exact brand names and parts, however, only the brands and models listed have been tested and therefore we can only guarantee a fully functional system built from these components.

**\*\*This is the estimated equipment portion of complete SOS system cost. Please contact [sos.gsd@noaa.gov](mailto:sos.gsd@noaa.gov) for the cost of the complete SOS system including the basic system cost and installation.**