What is claimed is:

1. A rack apparatus, comprising:

at least one support pole having a first end portion and a second end portion;

at least one of a clamp assembly, hanger, or handle attached to the first end portion of the support pole;

at least one mount connector;

at least one alignment feature operatively coupled to the support pole; and

a base member attached to the second end portion of the support pole.

2. The rack apparatus according to claim 1, wherein at least one of the at least one mount connector is configured to operatively engage with a medical device connector.

3. The rack apparatus according to claim 2, wherein at least one of the at least one alignment feature is configured to align the medical device connector with the at least one of the at least one mount connector.

4. The rack apparatus according to claim 1, wherein at least one of the at least one alignment feature is included on a collar on the support pole.

5. The rack apparatus according to claim 1, wherein the rack apparatus further comprises a power system.

6. The rack apparatus according to claim 5, wherein the power system is configured to provide power to at least one medical device via the at least one mount connector.

7. The rack apparatus according to claim 1, wherein the rack apparatus further comprises a communication system configured to allow an attached medical device to communicate with at least one other attached medical device via the at least one mount connector.

8. The rack apparatus according to claim 7, wherein the communication system is configured use at least one of a CANbus protocol and USB protocol.

9. The rack apparatus according to claim 1, wherein the base member comprises:

a power connector;

a power supply;

a main power cable electrically connecting the power connector and the power supply; and

at least one transmission cable connecting the power supply and the at least one mount connector.

10. The rack apparatus according to claim 1, wherein the support pole is configured to accept a clamp, the clamp comprising:

a housing including first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing;

a movable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the movable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the movable gripper away from the fixed gripper.

11. The rack apparatus according to claim 10, wherein the clamp is configured to couple a medical device to the support pole of the rack apparatus.

12. The rack apparatus according to claim 11, wherein a medical device connector is disposed on the clamp and is configured to operatively engage with at least one of the at least one mount connector to receive at least one of a network connection and power for the medical device.

13. The rack apparatus according to claim 1, wherein the rack apparatus is configured to couple to an IV pole.

14. The rack apparatus according to claim 1, wherein the at least one support pole is an IV pole.

15. The rack apparatus according to claim 1, wherein the base member further comprises at least one wheel.

16. A system comprising:

a rack apparatus, comprising:

at least one support pole having a first end portion and a second end portion;

at least one of a clamp assembly, hanger, or handle attached to the first end portion of the support pole;

at least one mount connector;

at least one alignment feature operatively coupled to the at least one support pole; and

a base member attached to the second end portion of the support pole; and

a clamp configured to clamp to the at least one support pole, the clamp comprising:

a housing including first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing; and

a movable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the movable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the movable gripper away from the fixed gripper.

17. The system according to claim 16, wherein at least one of the at least one mount connector is configured to operatively engage with a medical device connector.

18. The system according to claim 17, wherein at least one of the at least one alignment feature is configured to align the medical device connector with the at least one of the at least one mount connector.

19. The system according to claim 17, wherein the medical device connector is disposed on one of the fixed gripper or movable gripper of the clamp.

20. The system according to claim 19, wherein the medical device connector is configured to operatively engage with the at least one of the at least one mount connector to receive at least one of a network connection and power for a medical device.

21. The system according to claim 20, wherein the medical device is a monitoring client comprising a tablet computer.

22. A clamp apparatus comprising:

a body;

first and second handles, each handle operatively coupled to the body;

a first movable gripper coupled to the first handle and a second movable gripper coupled to the second handle;

a first gear set operatively coupled to the first handle and a second gear set operatively coupled to the second handle, wherein the first gear set operatively engages the second gear set; and

at least one bias member operatively engaged with the first handle and the second handle, wherein the at least one bias member is configured to urge the first and second movable grippers toward a clamped position.

23. The clamp apparatus of claim 22, wherein the first gear set comprises an upper first gear and a lower first gear and the second gear set comprises an upper second gear and a lower second gear.

24. The clamp apparatus of claim 23, wherein the upper first gear and the lower first gear are fixedly coupled.

25. The clamp apparatus of claim 24, wherein the upper first gear and the lower first gear are configured to move in unison.

26. The clamp apparatus of claim 25, wherein the first gear set and the second gear set are rotatably coupled to the body.

27. The clamp apparatus of claim 22, wherein the first handle and the second handle are concave away from the body.

28. A clamp apparatus comprising:

a body;

a first handle and a second handle operatively coupled to the body;

a first movable gripper coupled to the first handle and a second movable gripper coupled to the second handle;

a first gear set operatively coupled to the first handle and a second gear set operatively coupled to the second handle, wherein the first gear set operatively engages the second gear set; and

a first bias member operatively engaged with the first handle and the body, wherein the first at least one bias member is configured to urge the first movable gripper toward a clamped position; and

a second at least one bias member operatively engaged with the second handle and the body, wherein the second at least one bias member is configured to urge the second movable gripper toward a clamped position.

29. The clamp apparatus of claim 28, wherein the first gear set and the second gear set are rotatably coupled to the body.

30. The clamp apparatus of claim 28, wherein the first handle and the second handle are concave toward the body.

31. The clamp apparatus of claim 28, wherein the first at least one bias member and the second at least one bias member are springs.

32. The clamp apparatus of claim 31, wherein the first at least one bias member and the second at least one bias member are each at least one torsion spring.

33. The clamp apparatus of claim 28, wherein the first at least one bias member and the second at least one bias member are each an array of multiple torsion springs.

34. A clamp apparatus comprising:

a body;

first and second handles, each operatively coupled to the body;

a first gear set operatively coupled to the first handle and a second gear set operatively coupled to the second handle, wherein the first gear set is configured to operatively engage the second gear set;

first and second movable grippers each operatively coupled to the body;

a third gear set operatively coupled to the first movable gripper and a fourth gear set operatively coupled to the second movable gripper, wherein the third gear set operatively engages the fourth gear set; and

at least one bias member configured to operatively engage with the third gear set and the fourth gear set, wherein the at least one bias member is configured to urge the first movable gripper and the second movable gripper toward a clamped position.

35. The clamp apparatus of claim 34, wherein the first gear set and the second gear set are rotatably coupled to the body.

36. The clamp apparatus of claim 34, wherein the third gear set and the fourth gear set are rotatably coupled to the body.

37. The clamp apparatus of claim 34, wherein the first gear set and the third gear set are rotatably coupled to the body and share an axis of rotation.

38. The clamp apparatus of claim 34, wherein the third gear set and the fourth gear set are rotatably coupled to the body and share an axis of rotation.

39. The clamp apparatus of claim 34, wherein the first gear set and the second gear set form a first locking assembly comprising:

a first hook coupled to the first gear set;

a second hook coupled to the second gear set;

a first catch coupled to the third gear set, wherein the first hook locks into place within the first catch when the first movable gripper and the second movable gripper are in the clamped position; and

a second catch coupled to the fourth gear set, wherein the second hook locks into place within the second catch when the first movable gripper and the second movable gripper are in the clamped position.

40. The clamp apparatus of claim 39, wherein the first catch and the first hook and the second catch and the second hook are configured to permit rotational movements of the first handle and the second handle in advance of subsequent rotational movements of the first gripper and the second gripper.

41. The clamp apparatus of claim 40, wherein the rotational movements of the first handle and the second handle are configured to perform an unlocking function, permitting rotational movements of the first gripper and the second gripper.

42. The clamp apparatus of claim 34, wherein the first movable gripper and the second movable gripper have interdigitated fingers when the at least one bias member is subject to a maximum allowable deformation.

43. The clamp apparatus of claim 34, wherein the at least one bias member is configured to bias the first movable gripper and the second movable gripper toward one another.

44. The clamp apparatus of claim 34, wherein the first movable and the second movable gripper are configured to close onto a pole.

45. The clamp apparatus of claim 34, wherein the at least one bias member is a spring.

46. The clamp apparatus of claim 34, wherein the at least one bias member is a flat spring.

47. The clamp apparatus of claim 34, wherein the at least one bias member is a leaf spring.

48. The clamp apparatus of claim 34, wherein the at least one bias member is under a preload tension.

49. The clamp apparatus of claim 34, wherein the first handle and the second handle are paddles.

50. The clamp apparatus of claim 34, wherein the first handle and the second handle are actuatable.

51. The clamp apparatus of claim 34, wherein the first gripper and the second gripper are rubber.

52. The clamp apparatus of claim 34, wherein the first handle and the second handle are independently operatively attached to the body via pins.

53. The clamp apparatus of claim 34, wherein the first handle and the second handle are independently hinged to the body.

54. The clamp apparatus of claim 34, wherein axes about which the first handle and the second handle are hinged to the body are parallel.

55. The clamp apparatus of claim 34, wherein the first movable gripper and the second movable gripper have facing inside surfaces that are approximately concave.

56. The clamp apparatus of claim 34, wherein the clamp is configured to couple a medical device to a support pole.

57. The clamp apparatus of claim 34, wherein the clamp is configured to couple a medical device to an IV pole.

58. The clamp apparatus of claim 57, wherein the medical device is a monitor comprising a tablet computer.

59. A clamp apparatus comprising:

a body having first and second ends;

a lever operatively coupled to the first end of the body;

a movable gripper operatively coupled to an intermediate portion of the body;

at least two fixed grippers to be positioned at the second end of the body; and

a connector member having a first end configured to be operatively coupled to the lever and a second end configured to be operatively coupled to the movable gripper.

60. The clamp apparatus of claim 59, wherein the movable gripper is approximately wedge-shaped and has a narrow end and a wide end.

61. The clamp apparatus of claim 59, wherein the narrow end of the movable gripper is coupled to the body.

62. The clamp apparatus of claim 59, wherein the movable gripper is rotatable about the narrow end of the movable gripper.

63. The clamp apparatus of claim 60, wherein a surface of the wide end of the movable gripper facing the plurality of fixed grippers is concave.

64. The clamp apparatus of claim 60, wherein a surface of the wide end of the movable gripper facing the plurality of fixed grippers has a contoured face.

65. The clamp apparatus of claim 60, wherein a surface of the wide end of the movable gripper facing the plurality of fixed grippers is configured to complement the shape of a pole.

66. The clamp apparatus of claim 59, wherein the movable gripper and the at least two fixed grippers comprise gripping surfaces configured to engage a clamped object.

67. The clamp apparatus of claim 66, wherein the gripping surfaces are comprised of a material which will firmly grip, but not deform a clamped object.

68. The clamp apparatus of claim 59, wherein the grippers are configured to close onto a pole.

69. The clamp apparatus of claim 59, wherein the grippers are rubber.

70. The clamp apparatus of claim 59, wherein the grippers are coated in a rubbery, gripping material.

71. The clamp apparatus of claim 59, wherein the body comprises a back plate to which the at least two fixed grippers are coupled.

72. The clamp apparatus of claim 59, wherein the movable gripper and the at least two fixed grippers are configured to automatically mimic the girth of a clamped object.

73. The clamp apparatus of claim 59, wherein the at least two fixed grippers are approximately cylinders extending perpendicularly from the body, the cylinders coupled to the body at respective bases of the cylinders.

74. The clamp apparatus of claim 73, wherein the cylinders have concave barrel portions.

75. The clamp apparatus of claim 73, wherein the cylinders are approximately hourglass-like in shape, the cylinders narrowing at a middle portion.

76. The clamp apparatus of claim 60, wherein the wide end of the movable gripper has a ridged surface.

77. The clamp apparatus of claim 76, wherein the ridged surface extends along the wide end of the wedge-shaped movable gripper.

78. The clamp apparatus of claim 59, wherein the connector member is configured to rotate the movable gripper upon actuation of the connector member.

79. The clamp apparatus of claim 59, wherein the connector member includes a bias member.

80. The clamp apparatus of claim 79, wherein the bias member is a spring.

81. The clamp apparatus of claim 79, wherein the bias member is a compression spring.

82. The clamp apparatus of claim 79, wherein the bias member is a compressible spring.

83. The clamp apparatus of claim 79, wherein the bias member is an expandable spring.

84. The clamp apparatus of claim 59, wherein the connector member includes a piston.

85. The clamp apparatus of claim 59, wherein the connector member includes a spring-biased piston.

86. The clamp apparatus of claim 79, wherein the at least one bias member is configured to store mechanical energy upon movement of the connector member toward the movable gripper.

87. The clamp apparatus of claim 59, wherein the connector member is rotatably connected to the lever at the first end of the connector member and rotatably connected to the movable gripper at the second end of the connector member.

88. The clamp apparatus of claim 59, wherein the connector member is coupled to a lever joint, the lever joint positioned at an end of the lever.

89. The clamp apparatus of claim 59, wherein the connector member is configured to, under actuation of the lever, extend towards the movable gripper, thereby rotating the movable gripper towards the fixed grippers.

90. The clamp apparatus of claim 79, further comprising:

a bias member support coupled to the connector member; and

a bias member housing coupled to the connector member and surrounding the bias member and bias member support therein.

91. The clamp apparatus of claim 90, wherein the bias member support has a portion with a diameter less than a diameter of the bias member.

92. The clamp apparatus of claim 91, wherein the portion is positioned to fit inside the diameter of the bias member.

93. The clamp apparatus of claim 90, wherein the bias member housing is hollow with a sealed end.

94. The clamp apparatus of claim 90, wherein the bias member housing has a diameter greater than the diameter of the bias member.

95. The clamp apparatus of claim 59, wherein the lever is a handle.

96. The clamp apparatus of claim 59, wherein the lever is configured to rotate towards the body under actuation of the lever.

97. The clamp apparatus of claim 59, wherein the lever includes a slideable ring encircling a top end of the lever, the top end being nearest a lever joint.

98. The clamp apparatus of claim 59, wherein the lever is configured to move the connector member toward a first position and thereby move the movable gripper toward the fixed grippers.

99. The clamp apparatus of claim 98, wherein the lever is further configured to move the connector member toward a second position and thereby move the movable gripper away from the fixed grippers.

100. The clamp apparatus of claim 99, wherein the movable gripper is configured to stop when abutting against an object while allowing the connector member to continue to move as the lever is further actuated.

101. The clamp apparatus of claim 59, wherein the lever includes a slideable ring configured to free the lever from a locked position.

102. The clamp apparatus of claim 101, wherein the slideable ring is configured to slide out of a notch in the lever joint, thereby unlocking the lever and freeing the lever to rotate.

103. The clamp apparatus of claim 102, wherein the slideable ring includes a ring bias member configured to bias the slideable ring to a notched position.

104. The clamp apparatus of claim 103, wherein the ring bias member is a spring.

105. The clamp apparatus of claim 104, wherein the spring is a compression or expansion spring.

106. The clamp apparatus of claim 59, further comprising:

a locking assembly comprising:

a pawl; and

a slideable member having a first end and a second end, the first end in contact with a lever joint, located at and end of the lever, and the second end in contact with the pawl.

107. The clamp apparatus of claim 106, wherein the pawl is rotatably coupled to the locking assembly, the pawl configured to rotate into contact with an upper ridged surface of the movable gripper, locking the gripper in place.

108. The clamp apparatus of claim 107, wherein the pawl includes a pawl bias member.

109. The clamp apparatus of claim 108, wherein the pawl bias member is a spring.

110. The clamp apparatus of claim 109, wherein the spring is a torsion spring.

111. The clamp apparatus of claim 106, wherein the lever joint has an outer surface in contact with the first end of the slideable member.

112. The clamp apparatus of claim 111, wherein the outer surface of the lever joint has a depressed portion.

113. The clamp apparatus of claim 112, wherein the locking assembly is configured to move the slideable member into the depressed portion of the lever joint, allowing the pawl to rotate into contact with the movable gripper thereby locking the movable gripper in place.

114. The clamp apparatus of claim 59, wherein the clamp is configured for use with medical devices and medical accessories.

115. The clamp apparatus of claim 59, wherein the clamp includes a means for coupling the clamp to a load.

116. The clamp apparatus of claim 115, wherein the load is a medical device.

117. The clamp apparatus of claim 116, wherein the medical device is a peristaltic infusion pump 96 a syringe infusion pump.

118. The clamp apparatus of claim 116, wherein the medical device is a monitor comprising a tablet computer.

119. The clamp apparatus of claim 59, wherein the clamp is configured to couple a medical device to a support pole.

120. The clamp apparatus of claim 59, wherein the clamp is configured to couple a medical device to an IV pole.

121. A clamp, comprising:

a housing includes first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing; and

a moveable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the moveable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the moveable gripper away from the fixed gripper.

122. The clamp according to claim 121, wherein the actuator is a handle pivotally coupled to the housing.

123. The clamp according to claim 122, further comprising first and second linkages, wherein the first linkage is coupled a first side of the handle and a first side of the driven member, and the second linkage is coupled to a second side of the handle and to a second side of the driven member.

124. The clamp according to claim 121, further comprising a gripper sled slidably coupled to the driven member.

125. The clamp according to claim 124, further comprising a bias member configured to bias the gripper sled within the driven member towards the fixed gripper.

126. The clamp according to claim 125, wherein the driven member includes a stop member configured to prevent movement of the gripper sled relative to the driven member beyond a predetermined location of the driven member.

127. The clamp according to claim 126, wherein the moveable gripper is coupled to the gripper sled.

128. The clamp according to claim 125, wherein the bias member is a constant force spring.

129. The clamp according to claim 125, wherein the bias member is a compression spring.

130. The clamp according to claim 124, wherein the clamp is configured to allow the gripper sled to stop when abutting against an object while allowing the driven member to continue to move as the actuator is further actuated.

131. The clamp according to claim 124, wherein the gripper sled is rigidly coupled to the moveable gripper, wherein the clamp further comprises a bias member configured to bias the gripper sled within the driven member towards the fixed gripper.

132. A clamp comprising:

a housing;

a fixed gripping means for rigidly being coupled to the housing; and

a moveable gripping means for gripping the clamp onto an object.

133. A protective mechanism comprising:

a guide member;

a connector;

an actuation member configured to have a first end portion and a second end portion, the first end portion of the actuation member pivotally coupled to the guide member; and

a cover member pivotally coupled to the guide member and configured to interact with the actuation member so as to pivot to uncover the connector when the actuation member pivots in a first direction and to pivot to cover the connector when the actuation member pivots in a second direction.

134. The protective mechanism of claim 133, further comprising a backstop member disposed on a guide member face, the backstop member approximately perpendicular to the guide member face.

135. The protective mechanism of claim 133, wherein the connector is disposed on the backstop member.

136. The protective mechanism of claim 135, wherein the backstop member further comprises a backstop member face, said backstop member face having a recess configured to receive at least a portion of the cover member therein.

137. The protective mechanism of claim 135, wherein the first backstop member further comprises a backstop member face, said backstop member face including an aperture configured to receive at least a portion of the cover member therethrough.

138. The protective mechanism of claim 133, wherein the cover member uncovers the connector when the actuation member pivots in the first direction to a first position and in the second direction to a second position, said first direction opposite said second direction and when in the second direction the cover member covers the connector.

139. The protective mechanism of claim 133, further comprising a first compliant gasket coupled to a backstop member, said first compliant gasket configured to encompass the connector.

140. The protective mechanism of claim 139, wherein the cover member includes a perimeter rib adapted to seal against the compliant gasket when the actuation member is in a first position and the connector is covered by the cover member.

141. The protective mechanism of claim 139, further comprising a second compliant gasket coupled to the backstop member.

142. The protective mechanism of claim 141, wherein the cover member includes a perimeter rib adapted to seal against the second compliant gasket when the actuation member is in a second position and the connector is uncovered.

143. The protective mechanism of claim 133, further comprising first and second rail projections, the first rail projection disposed approximately parallel to and in spaced relation to the second rail projection.

144. The protective mechanism of claim 133, wherein an aperture is defined in the guide member, said aperture configured to receive at least a portion of the actuation member.

145. The protective mechanism of claim 144, further comprising first and second rail projections, the first rail projection and the second rail projection disposed on opposite sides of the aperture of the guide member.

146. The protective mechanism of claim 133, wherein the guide member defines a recess disposed on a guide member face, the recess of the guide member configured to receive a portion of the actuation member.

147. The protective mechanism of claim 146, further comprising first and second rail projections, each including a respective web portion and a respective head portion, the respective web portion configured to couple the respective head portion to a guide member

face, the first and second rail projections disposed on opposite sides of the recess of the guide member.

148. The protective mechanism of claim 133, wherein the actuation member includes a sloped face, wherein:

the sloped face defines a sloped portion of the actuation member such that a cross-sectional area of the sloped portion of the actuation member increases from the first end portion of the actuation member to a point between the first and the second end portions of the actuation member where the sloped face ends,

when the actuation member is in a first position, the sloped face protrudes from the plane of a guide member face, and

when the actuation member is in a second position, the sloped face lies substantially in the plane of the guide member face.

149. The protective mechanism of claim 148, further comprising at least one actuation spring, wherein:

each of the least one actuation spring has a respective first end and a respective second end, wherein:

the respective first end of the at least one actuation spring is coupled to the actuation member,

the respective second end of the at least one actuation spring is coupled to the guide member, and

the at least one actuation spring is configured to bias the actuation member to the first position.

150. The protective mechanism of claim 133, further comprising a latch member configured to have a first end portion and a second end portion, the latch member pivotally coupled to the guide member at a pivot point between the first and the second end portions of the latch member.

151. The protective mechanism of claim 150, wherein an aperture is defined in the latch member between the first end portion of the latch member and the pivot point, the aperture of the latch member configured to receive a portion of the actuation member.

152. The protective mechanism of claim 150, wherein the latch member includes a latch projection disposed on the first end portion of the latch member, the latch projection configured to protrude from a guide member face when the latch member is in a latched position.

153. The protective mechanism of claim 150, further comprising at least one latch spring, wherein:

each of the at least one latch spring has a respective first end and a respective second end,

the respective first end of the at least one latch spring is coupled to the guide member,

the respective second end of the at least one latch spring is coupled to the latch member at a respective point between the pivot point and the second end portion of the latch member, and

the at least one latch spring is configured to bias the latch member to a latched position.

154. The protective mechanism of claim 150, further comprising at least one arrester projection coupled to the guide member and disposed in spaced relation to the pivot point of the latch member such that the at least one arrester projection arrests movement of the latch member when the latch member pivots to a latched position.

155. The protective mechanism of claim 133, wherein the protective mechanism is configured to protect the connector when operatively gripping a medical device to engage the connector.

156. The protective mechanism of claim 133, wherein the connector is configured to interface with a monitoring client.

157. A protective mechanism comprising:

a guide member having a guide member face;

a backstop member disposed on the guide member and approximately perpendicular the guide member face, the backstop member configured to have a backstop member face;

a connector disposed on the backstop member face;

an actuation member configured to have a first end portion and a second end portion, the first end portion of the actuation member pivotally coupled to the guide member; and

a protective member configured to have a first end portion and a second end portion, the first end portion of the protective member pivotally coupled to one of the guide member and the backstop member, the second end portion of the protective member including a cover portion configured to cover the connector, the protective member adapted to engage with the actuation member, wherein:

pivotal movement of the actuation member in a first direction from a first position to a second position causes the protective member to pivot from a protective position to a non-protective position, thereby uncovering the connector; and

pivotal movement of the actuation member in a second, opposite direction from the second position to the first position causes the protective member to pivot from the non-protective position to the protective position, to thereby cover the connector.

158. The protective mechanism of claim 157, wherein the protective mechanism is configured to protect the connector when operatively gripping a medical device to engage the connector.

159. The protective mechanism of claim 157, wherein the connector is configured to interface with a monitoring client.

160. An apparatus comprising:

a dock configured to receive a medical device; and

a protective mechanism coupled to the dock, the protective mechanism comprising:

a guide member;

a connector;

an actuation member configured to have a first end portion and a second end portion, the first end portion of the actuation member pivotally coupled to the guide member; and

a cover member pivotally coupled to the guide member and configured to interact with the actuation member so as to pivot to uncover the connector when the actuation member pivots in a first direction and to pivot to cover the connector when the actuation member pivots in a second direction.

161. The apparatus of claim 160, wherein the protective mechanism is configured to protect the connector when operatively gripping a medical device to engage the connector.

162. The apparatus according to claim 160, wherein the connector is configured to interface with a monitoring client.

163. A system, comprising:

a rack having a dock, the dock configured to receive a medical device when operatively clamped to the rack;

a protective mechanism coupled to the dock, the protective mechanism comprising:

a guide member;

a connector;

an actuation member configured to have a first end portion and a second end portion, the first end portion of the actuation member pivotally coupled to the guide member; and

a cover member pivotally coupled to the guide member and configured to interact with the actuation member so as to pivot to uncover the connector when the actuation member pivots in a first direction and to pivot to cover the connector when the actuation member pivots in a second direction.

164. The system according to claim 163, further comprising a monitoring client configured to engage with the connector.

165. A method of protecting a connector when gripping a medical device to a rack, the method comprising:

guiding the medical device to the connector;

actuating an actuator member configured to have a first end portion and a second end portion, the first end portion of the actuation member pivotally coupled to the guide member; and

pivoting a cover member pivotally coupled to the guide member, the cover member configured to interact with the actuation member so as to pivot to uncover the connector when the actuation member pivots in a first direction and to pivot to cover the connector when the actuation member pivots in a second direction.

166. The method according to claim 165, wherein the medical device is a monitoring client.

167. A system, comprising:

the protective mechanism of claim 133;

a rack having a dock configured to receive a medical device;

a clamp configured to attach the dock to the rack, the clamp comprising:

a housing including first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing, comprising:

a gripper sled slidably coupled to the driven member; and

a constant force spring configured to bias the gripper sled within the driven member towards the fixed gripper, wherein the constant force spring is fixably attached to the driven member by way of at least one fastener;

a moveable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the moveable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the moveable gripper away from the fixed gripper.

168. A system, comprising:

the protective mechanism of claim 133;

a medical device comprising a connector; and

a rack having a dock, the dock comprising a mating connector to the connector of the medical device wherein the connector of the dock is configured to properly align with the connector of the medical device when the medical device is operatively clamped to the rack.

169. A system, comprising:

the protective mechanism of claim 157,

a rack having a dock configured to receive a medical device;

a clamp configured to attach the dock to the rack, the clamp comprising:

a housing including first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing, comprising:

a gripper sled slidably coupled to the driven member; and

a constant force spring configured to bias the gripper sled within the driven member towards the fixed gripper, wherein the constant force spring is fixably attached to the driven member by way of at least one fastener;

a moveable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the moveable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the moveable gripper away from the fixed gripper.

170. A system, comprising:

the protective mechanism of claim 157;

a medical device comprising a connector; and

a rack having a dock, the dock comprising a mating connector to the connector of the medical device wherein the connector of the dock is configured to

properly align with the connector of the medical device when the medical device is operatively clamped to the rack.

171. The apparatus of claim 160 further comprising:

a rack;

a clamp configured to attach the dock to the rack, the clamp comprising:

a housing including first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing, comprising:

a gripper sled slidably coupled to the driven member; and

a constant force spring configured to bias the gripper sled within the driven member towards the fixed gripper, wherein the constant force spring is fixably attached to the driven member by way of at least one fastener;

a moveable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the moveable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the moveable gripper away from the fixed gripper.

172. The apparatus of claim 160, wherein the medical device further comprises a mating connector to the connector of the protective mechanism, the connector of the protective mechanism being configured to properly align with the mating connector disposed on the medical device when the medical device is received in the dock.

173. The system of claim 163, further comprising:

a clamp configured to attach the dock to the rack, the clamp comprising:

a housing including first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing, comprising:

a gripper sled slidably coupled to the driven member; and

a constant force spring configured to bias the gripper sled within the driven member towards the fixed gripper, wherein the constant force spring is fixably attached to the driven member by way of at least one fastener;

a moveable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the moveable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the moveable gripper away from the fixed gripper.

174. The system of claim 163, wherein the medical device further comprises a mating connector to the connector of the protective mechanism, the connector of the protective mechanism being configured to properly align with the mating connector disposed on the medical device when the medical device is received in the dock.

175. The method of claim 165, wherein guiding the medical device to the connector further comprises aligning the connector with a mating connector on the medical device for proper engagement.

What is claimed is:

1. An apparatus, comprising:

at least one support pole having a first end portion and a second end portion;

at least one of a clamp assembly, hanger, or handle attached to the first end portion of the support pole;

at least one mount connector;

at least one alignment feature operatively coupled to the support pole; and

a base member attached to the second end portion of the support pole, wherein the support pole is configured to accept a clamp, the clamp comprising:

a housing including first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing;

a movable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the movable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the movable gripper away from the fixed gripper.

2. The apparatus according to claim 1, wherein at least one of the at least one mount connector is configured to operatively engage with a medical device connector.

3. The apparatus according to claim 2, wherein at least one of the at least one alignment feature is configured to align the medical device connector with the at least one of the at least one mount connector.

4. The apparatus according to claim 1, wherein at least one of the at least one alignment feature is included on a collar on the support pole.

5. The apparatus according to claim 1, wherein the rack apparatus further comprises a power system.

6. The apparatus according to claim 5, wherein the power system is configured to provide power to at least one medical device via the at least one mount connector.

7. The apparatus according to claim 1, wherein the rack apparatus further comprises a communication system configured to allow an attached medical device to communicate with at least one other attached medical device via the at least one mount connector.

8. The apparatus according to claim 7, wherein the communication system is configured use at least one of a CANbus protocol and USB protocol.

9. The apparatus according to claim 1, wherein the base member comprises:

a power connector;

a power supply;

a main power cable electrically connecting the power connector and the power supply; and

at least one transmission cable connecting the power supply and the at least one mount connector.

10. The apparatus according to claim 1, wherein the clamp is configured to couple a medical device to the support pole of the apparatus.

11. The apparatus according to claim 10, wherein a medical device connector is disposed on the clamp and is configured to operatively engage with at least one of the at least one mount connector to receive at least one of a network connection and power for the medical device.

12. The apparatus according to claim 1, wherein the rack apparatus is configured to couple to an IV pole.

13. The apparatus according to claim 1, wherein the at least one support pole is an IV pole.

14. The apparatus according to claim 1, wherein the base member further comprises at least one wheel.

15. A system comprising:

a rack apparatus, comprising:

at least one support pole having a first end portion and a second end portion;

at least one of a clamp assembly, hanger, or handle attached to the first end portion of the support pole;

at least one mount connector;

at least one alignment feature operatively coupled to the at least one support pole; and

a base member attached to the second end portion of the support pole; and

a clamp configured to clamp to the at least one support pole, the clamp comprising:

a housing including first and second tracks;

a fixed gripper coupled to the housing;

a driven member configured to slide within the first and second tracks of the housing; and

a movable gripper operatively coupled to the driven member; and

an actuator configured to move the driven member towards a first position to thereby move the movable gripper towards the fixed gripper, the actuator further configured to move the driven member towards a second position to thereby move the movable gripper away from the fixed gripper.

16. The system according to claim 15, wherein at least one of the at least one mount connector is configured to operatively engage with a medical device connector.

17. The system according to claim 16, wherein at least one of the at least one alignment feature is configured to align the medical device connector with the at least one of the at least one mount connector.

18. The system according to claim 16, wherein the medical device connector is disposed on one of the fixed gripper or movable gripper of the clamp.

19. The system according to claim 18, wherein the medical device connector is configured to operatively engage with the at least one of the at least one mount connector to receive at least one of a network connection and power for a medical device.

20. The system according to claim 19, wherein the medical device is a monitoring client comprising a tablet computer.