WHAT IS CLAIMED IS:

1. An optical adapter for an optical scope, wherein the optical scope includes a tube defining a conduit, and wherein the optical adapter is coupled to an end of the tube, and wherein the optical adapter defines a proximate end and a distal end, the optical adapter comprising:

a casing defining a longitudinal direction, wherein the casing includes a first wall and a second wall, wherein the first wall and the second wall define a first viewing port therebetween, wherein the second wall defines a second viewing port, and wherein the first wall defines a recess therein;

a hinge coupled to the first wall;

a reflecting lens defining a first end separated from a second end in the longitudinal direction, wherein the first end is coupled to the hinge; and

an actuator coupled to the first wall and to the second end of the reflecting lens, wherein the actuator pivots the reflecting lens about the hinge from a retracted position adjacent to the first wall to an extended position toward the second wall,

wherein in the retracted position, the reflecting lens resides in the recess such that the reflecting lens is flush with the first wall.

2. The optical adapter of claim 1, wherein the recess defines a depth approximately at least equal to a thickness of the reflecting lens.

3. The optical adapter of claim 1, wherein the first wall and the second wall of the casing are approximately parallel and extended in the longitudinal direction from the hinge toward the distal end of the optical adapter.

4. The optical adapter of claim 1, wherein the casing defines a rectangular cross section from at least the hinge to the distal end of the optical adapter.

5. The optical adapter of claim 1, wherein in the retracted position the optical adapter defines a first direction of view through the first viewing port and in the extended position the optical adapter defines a second direction of view through the second viewing port.

6. The optical adapter of claim 1, wherein the hinge pivots the reflecting lens to the extended position, and wherein the extended position defines an approximately 45 degree angle or less relative to the first wall.

7. The optical adapter of claim 1, wherein the second viewing port is approximately 90 degrees or less relative to the first viewing port.

8. The optical adapter of claim 1, wherein the actuator is an electromagnetic actuator, an electrostatic actuator, or a piezoelectric actuator.

9. The optical adapter of claim 1, further comprising:

a viewing lens positioned between the first wall and the second wall of the casing.

10. The optical adapter of claim 1, wherein in the retracted position, the reflecting lens and the hinge are flush with the first wall.

11. The optical adapter of claim 1, wherein the casing defines a rectangular cross-section from the hinge to the distal end, and wherein the recess is defined between a first portion of the first wall and a second portion of the first wall.

12. An optical scope, the optical scope comprising:

a tube defining a conduit; and

an optical adapter coupled to an end of the tube, wherein the optical adapter defines a proximate end and a distal end, the optical adapter comprising:

a casing defining a longitudinal direction, wherein the casing includes a first wall and a second wall, wherein the first wall and the second wall define a first viewing port therebetween, wherein the second wall defines a second viewing port, and wherein the first wall defines a recess therein;

a hinge coupled to the first wall;

a reflecting lens defining a first end separated from a second end in the longitudinal direction, wherein the first end is coupled to the hinge; and

an actuator coupled to the first wall and to the second end of the reflecting lens and positioned at least partially within the recess, wherein the actuator moves the reflecting lens from a retracted position adjacent to the first wall to an extended position,

wherein in the retracted position, the reflecting lens resides in the recess such that the reflecting lens is flush with the first wall.

13. The optical scope of claim 12, wherein the recess defines a depth approximately at least equal to a thickness of the reflecting lens.

14. The optical scope of claim 12, wherein the first wall and the second wall of the casing are approximately parallel and extended in the longitudinal direction from the hinge toward the distal end of the optical adapter.

15. The optical scope of claim 12, wherein in the retracted position the optical adapter defines a first direction of view through the first viewing port and in the extended position the optical adapter defines a second direction of view through the second viewing port.

16. The optical scope of claim 12, wherein the hinge pivots the reflecting lens to the extended position, and wherein the extended position defines an approximately 45 degree angle relative to the first wall.

17. The optical scope of claim 12, wherein the second viewing port is approximately 90 degrees relative to the first viewing port.

18. The optical scope of claim 12, the optical scope further comprising:

an energy supply, wherein the energy supply provides an input energy to the actuator of the optical adapter.

19. The optical scope of claim 18, wherein the actuator of the optical adapter is an electromagnetic actuator, an electrostatic actuator, or a piezoelectric actuator.

20. The optical scope of claim 12, wherein the first wall is fixed.

21. An optical adapter for an optical scope, wherein the optical scope includes a tube defining a conduit, and wherein the optical adapter is coupled to an end of the tube, and wherein the optical adapter defines a proximate end and a distal end, the optical adapter comprising:

a casing defining a longitudinal direction, wherein the casing includes a first wall and a second wall, wherein the first wall and the second wall define a first viewing port therebetween, wherein the second wall defines a second viewing port, and wherein the first wall defines a recess therein;

a hinge fixedly coupled to the first wall;

a reflecting lens defining a first end separated from a second end in the longitudinal direction, wherein the first end is coupled to the hinge; and

an actuator coupled to the first wall and to the second end of the reflecting lens, wherein the actuator pivots the reflecting lens about the hinge from a retracted position adjacent to the first wall to an extended position toward the second wall,

wherein in the retracted position, the reflecting lens resides in the recess such that the reflecting lens is flush with the first wall.

22. The optical adapter of claim 21, wherein the first wall is fixed.