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16. A beam steering module comprising:

one or more beam steering elements including a first and second deflector array, wherein the one or more beam steering elements deflect one or more optical signals in two dimensions,

wherein one or more of the first and second deflector arrays includes and $L \times M$ array of deflectors, where L and M are integers greater than or equal to one

wherein N first and second deflector arrays are stacked to form an $N \times L \times M$ beam steering module, where N is an integer greater than or equal to 1.

wherein the first deflector array includes one or more dual-axis deflectors configured to rotate about a first axis and a second axis.

17. The module of claim 16 wherein the second array includes one or more fixed deflectors.

18. The module of claim 16, wherein the one or more dual-axis deflectors includes one or more double-sided dual axis deflectors.

19. The module of claim 18, wherein the one or more double-sided dual axis deflectors includes two substrates back-to-back, wherein each substrate has one or more deflectors on one side.

20. The module of claim 19 wherein the back-to-back substrates are separated by an air gap.

21. The module of claim 18, wherein the one or more double-sided dual-axis deflectors includes a single substrate having one or more deflectors on each side thereof.

22. The module of claim 16 wherein the second deflector array includes one or more double-sided fixed deflectors.

23. The module of claim 22, wherein the one or more double-sided fixed deflectors includes two substrates back-to-back, wherein each substrate has one or more deflectors on one side.

24. The module of claim 23 wherein the back-to-back substrates are separated by an air gap.

25. The module of claim 22, wherein the one or more double-sided fixed deflectors includes a single substrate having one or more deflectors on each side thereof.

26. An optical switch, comprising:

a first beam steering module;

a second beam steering module optically coupled to the first beam steering module;

wherein at least one of the first and second beam steering modules includes at least one beam steering element, wherein the at least one beam steering element deflects an optical signal in two dimensions,

wherein the at least one beam steering element includes a stack containing one or more first deflector arrays optically coupled to one or more second deflector arrays

wherein one or more of the first and second deflector arrays includes a double sided array,

wherein the double sided array has on one side one or more deflectors configured to rotate about a single first axis, the double sided array having on another side one or more deflectors configured to rotate about a single second axis; or

wherein the double sided array has on one side one or more deflectors configured to rotate about a first axis

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and a second axis, the double sided array having on another side one or more fixed deflectors.

27. The switch of claim 26 further comprising relay optics optically coupled to one or more of the first and second beam steering elements.

28. The switch of claim 27, further comprising relay optics coupled to one or more of the first and second modules.

29. The switch of claim 27 wherein the first and second beam steering modules are part of a plurality of first and second beam steering modules disposed along a curved surface.

30. The switch of claim 29 further comprising a fold deflector optically coupled between the first and second beam steering modules.

31. The switch of claim 30 wherein the fold deflector is partially transparent.

32. The fold deflector of claim 31, further comprising a photodetector array optically coupled to the partially transparent fold deflector.

33. The switch of claim 26 wherein the first and second beam steering modules are part of a plurality of first and second beam steering modules disposed along a curved surface.

34. The switch of claim 33 further comprising a fold deflector optically coupled between the first and second beam steering modules.

35. The switch of claim 26 wherein the first and second beam steering modules are part of a plurality of first and second beam steering modules disposed along a curved surface.

36. The switch of claim 35 further comprising a fold deflector optically coupled between the first and second beam steering modules.

37. The switch of claim 26, further comprising a fold deflector optically coupled between the first and second beam steering modules.

38. The switch of claim 37, wherein the fold deflector is a curved fold mirror.

39. The switch of claim 38, wherein the first and second modules are arranged in a substantially planar configuration.

40. The switch of claim 38, wherein the first and second modules are arranged in a substantially curved configuration.

41. The switch of claim 26 wherein the first and second modules are arranged in a substantially planar configuration.

42. An optical switch, comprising:

a first beam steering module;

a second beam steering module optically coupled to the first beam steering module;

wherein at least one of the first and second beam steering modules includes at least one beam steering element, wherein the at least one beam steering element deflects an optical signal in two dimensions,

wherein the first and second modules are arranged in a substantially curved configuration.

43. The switch of claim 42, further comprising a fold deflector coupled to the at least one beam steering module.

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