CLAIMS

1. An optical system comprising:

a first optical arrangement comprising a first optical axis;

a second optical arrangement comprising a second optical axis at least substantially parallel to the first optical axis;

a first movement member configured to move the first optical arrangement with respect to the second optical arrangement in a first direction and a second direction,

wherein the first direction is a direction at least substantially parallel to the first optical axis,

wherein the second direction is a direction at least substantially perpendicular to the first optical axis; and

a second movement member configured to move the second optical arrangement with respect to the first optical arrangement in the first direction and the second direction, wherein the first optical arrangement and the second optical arrangement are moved independently from each other in the first direction and the second direction.

2. The optical system of claim 1,

wherein the second direction is a direction at least substantially parallel to a distance between the first optical arrangement and the second optical arrangement.

3. The optical system of any one of claims 1-2, further comprising:

a connection member configured to connect with the first optical arrangement and with the second optical arrangement.

4. The optical system of any one of claims 1-3,

wherein the first movement member comprises a first movement knob.

5. The optical system of any one of claims 1-4, further comprising:

a first locking member configured to lock a position of the first optical arrangement with respect to the second optical arrangement.

6. The optical system of claim 5,

wherein the first locking member is configured to lock an orientation of the first optical arrangement with respect to the second optical arrangement.

7. The optical system of any one of claims 5-6, further comprising:

a connection member configured to connect with the first optical arrangement and with the second optical arrangement;

wherein the first locking member is configured to lock a position of the first optical arrangement with respect to the connection member.

8. The optical system of any one of claims 1-7,

wherein the second movement member comprises a second movement knob.

9. The optical system of any one of claims 1-8, further comprising:

a second locking member configured to lock a position of the second optical arrangement with respect to the first optical arrangement.

10. The optical system of claim 9,

wherein the second locking member is configured to lock an orientation of the second optical arrangement with respect to the first optical arrangement.

11. The optical system of any one of claims 1-10,

wherein the first optical arrangement comprises a first lens arrangement.

12. The optical system of any one of claims 1-11,

wherein the second optical arrangement comprises a second lens arrangement.

13. The optical system of any one of claims 1-12,
wherein the first optical arrangement comprises a first display.

14. The optical system of any one of claims 1-13,
wherein the second optical arrangement comprises a second display.

15. A head mounted display comprising:
an optical system comprising:
a first optical arrangement comprising a first optical axis;
a second optical arrangement comprising a second optical axis at least substantially parallel to the first optical axis;
a first movement member configured to move the first optical arrangement with respect to the second optical arrangement in a first direction and a second direction, wherein the first direction is a direction at least substantially parallel to the first optical axis, wherein the second direction is a direction at least substantially perpendicular to the first optical axis; and
a second movement member configured to move the second optical arrangement with respect to the first optical arrangement in the first direction and the second direction, wherein the first optical arrangement and the second optical arrangement are moved independently from each other in the first direction and the second direction.

16. The head mounted display of claim 15, further comprising:
a housing.

17. The head mounted display of claim 16,
wherein the housing comprises a connection member configured to connect with the first optical arrangement and with the second optical arrangement.

18. The head mounted display of any one of claims 16-17, further comprising:

a first locking member configured to lock at least one of a position of the first optical arrangement with respect to the housing or an orientation of the first optical arrangement with respect to the housing.

19. The head mounted display of claims 16-18, further comprising:

a second locking member configured to lock at least one of a position of the second optical arrangement with respect to the housing or an orientation of the second optical arrangement with respect to the housing.