9. ~~The~~ A method of manufacturing a camera comprising the steps of manufacturing optical devices according to any one of claims 1-8 and further comprising the step of building in the optical devices into the cameras.

10. A plurality of optical devices, in particular for cameras, preferably manufactured with the method according to one of the claims 1 to 8, wherein the optical devices each comprise a lens module and a mount element, wherein the lens modules are designed for cameras with identical design, and the lens modules are replicated on wafer scale, wherein the replication process comprises molding or embossing, and the lens modules of at least two optical devices have different lens module focusing parameter values, particularly flange focal lengths (FFL), and wherein the mount elements of the optical devices have variable mount section lengths, and the mount section length of the corresponding mount element is adapted to the focusing parameter value, particularly flange focal length (FFL) of the corresponding optical device, so that the focal plane of the lens module falls into an image plane, particularly the image sensor plane of an optoelectronic unit to be brought in operative connection with the optical device or lies within the depth of focus of a camera containing the optical device.

11. The plurality of optical devices for cameras according to claim 10, wherein the mount element is in the form of a hollow cylindrical element which accommodates the lens module and wherein the mount element contains on its inside a first contact surface for the lens module, which serves as dead stop or supporting surface for the lens module introduced into the mount element, and the mount element contains a second contact surface designed for supporting the mount element directly or indirectly on an optoelectronic unit to be brought in operative connection with the optical device, and whereas the distance between the first

contact surface and the second contact surface in axial direction (D) of the mount element defines the mount section length, particularly the mount FFL section length of the mount element.

12. The plurality of optical devices for cameras according to claim 11, wherein the mount element contains on its inside at least one protrusion forming the first contact surface, which serves as dead stop or supporting surface for the lens module introduced into the mount element.

13. The plurality of optical devices for cameras according to claim 11 or 12, wherein on an end face of the mount element lying opposite to the second contact surface, the mount element is partially closed by a cover element, whereas the cover element forms on its inside the first contact surface, which serves as a dead stop for the lens module introduced into the mount element.

14. The plurality of optical devices for cameras according to one of the claims 10 to 13, wherein the optical device comprises an optoelectronic unit brought in operative connection with the mount element and the lens module of the optical device.

15. ~~The~~ A plurality of cameras containing optical devices according to one of the claims 10 to 14.