

FRONT-STOP LENS

High-resolution measurements

Imaging luminance measurement cameras (**LMK**) combined with adapted lenses offer effective all-in-one solutions for evaluating advanced near-eye displays (NED). NED manufacturers require **LMK** solutions adapted to the specific design of their devices. This involves considering the wide range of fields of view (FOV) and NED resolutions. Based on our experience in developing **LMKs**, we offer a set of formulas to determine the basic parameters of lenses for different NED concepts.



- The resulting focal length of these special front lenses ranges from 35 mm to 60 mm.
- It provides a captured field of view of 20.7°–15.7° up to 35.1°–26.6°.
- The lens offers compact dimensions with a diameter of only 36 mm.
- Features a manually adjustable focus range from 1.5 m to infinity.

Limiting front-stop aperture (EP):
2 – 6 mm