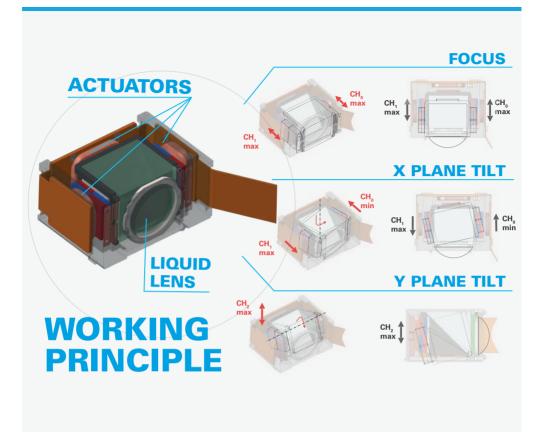


Our ultra compact F1A module enables four functions in one, namely focusing, macro, optical image stabilization, and field of view expansion.



BENEFITS









FASTER AF SPEED

LOWER POWER

LOWER COST



LOWER & CONSTANT F#



SMALLER MODULE FOOTPRINT



LARGER TILT ANGLE



FASTER VIDEO SHOOTING

NEXT GENERATION FOLDED CAMERA MODULE STRUCTURE

Combining the F1A module with a 5x tele lens barrel enables an ultra compact camera module with superior optical performance especially for macro imaging.

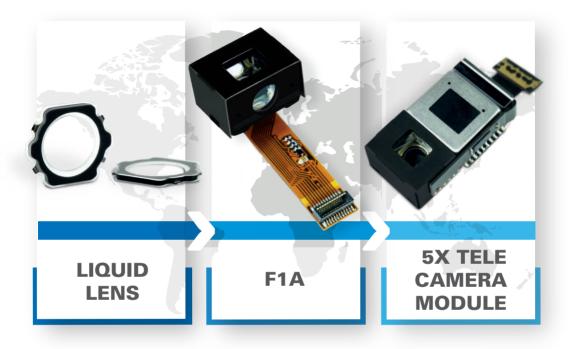
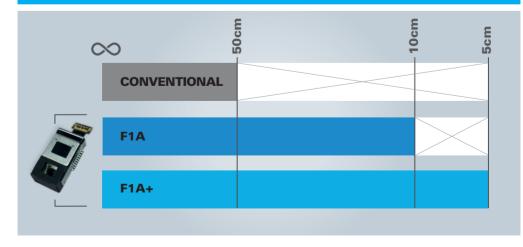


IMAGE QUALITY MAP: STANDARD (125lp tan. MTF ≥30%)





Macro

Fast and reliable super-macro focusing. Our F1A module allows for focusing distances down to 5cm. Whereas conventional 5x tele cameras are limited to a minimum focusing distance of 50cm.



Optical image stabilization for folded tele cameras

Our F1A module allows for fast and robust optical image stabilization of up to 1.5° with superior hand shake suppression.



Field of view expansion

Field of view expansion of up to 13° without moving the camera.



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