

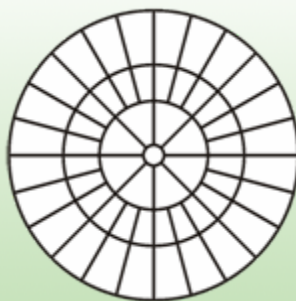
Deformable Mirror U-Flex-56-MDL-57



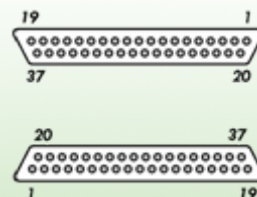
- The U-Flex-56-MDL-57 - unimorph deformable Mirror is designed to be applied in medical imaging, laser beam control and shaping, optical communications, and astronomy.
- The Mirror is capable of forming complex surface patterns, the shape of which is computer-controlled and well suited for compensation of low order aberrations (up to 4th order of Zernike).
- The SDK (C++) allows to operate all functions of the mirror and to achieve easy integration with user software.

TECHNICAL SPECIFICATIONS

Aperture diameter	56 mm
Substrate	Glass
Stroke	45 μ m
Initial curvature	25 m
Number of control electrodes	57
Control voltage (max)	± 300 V
Resonance frequency	>4000 Hz
Reflecting coatings (optionally)	Al, Ag, Cu, Multilayer Dielectric
Optical Damage threshold in pulsed operation	>0.3 J/cm ²
Surface quality (scratch-dig)	60-40/40-20
Hysteresis	<15 %
Operating temperature	from +10 to +40 °C
Storage temperature	from -30 to +70 °C
Weight	350 g
Size	90x90x32 mm



Electrodes arrangement
(view from inner side)



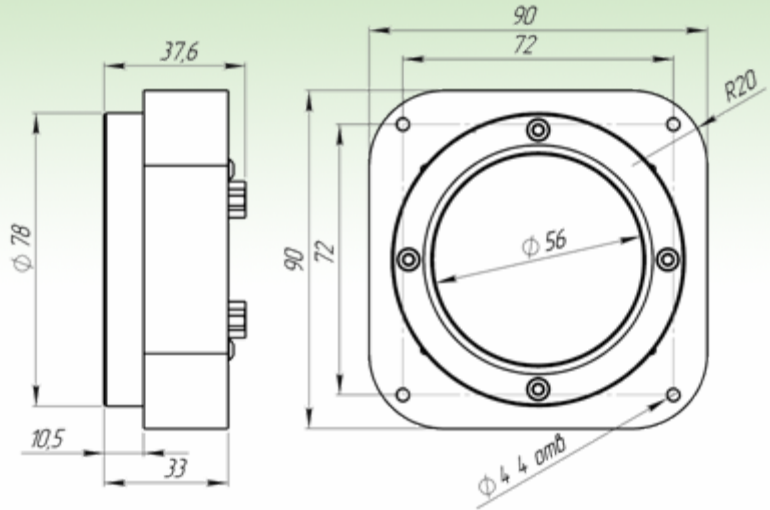
Electrical connector
(2 x 37-pin D-SUB)



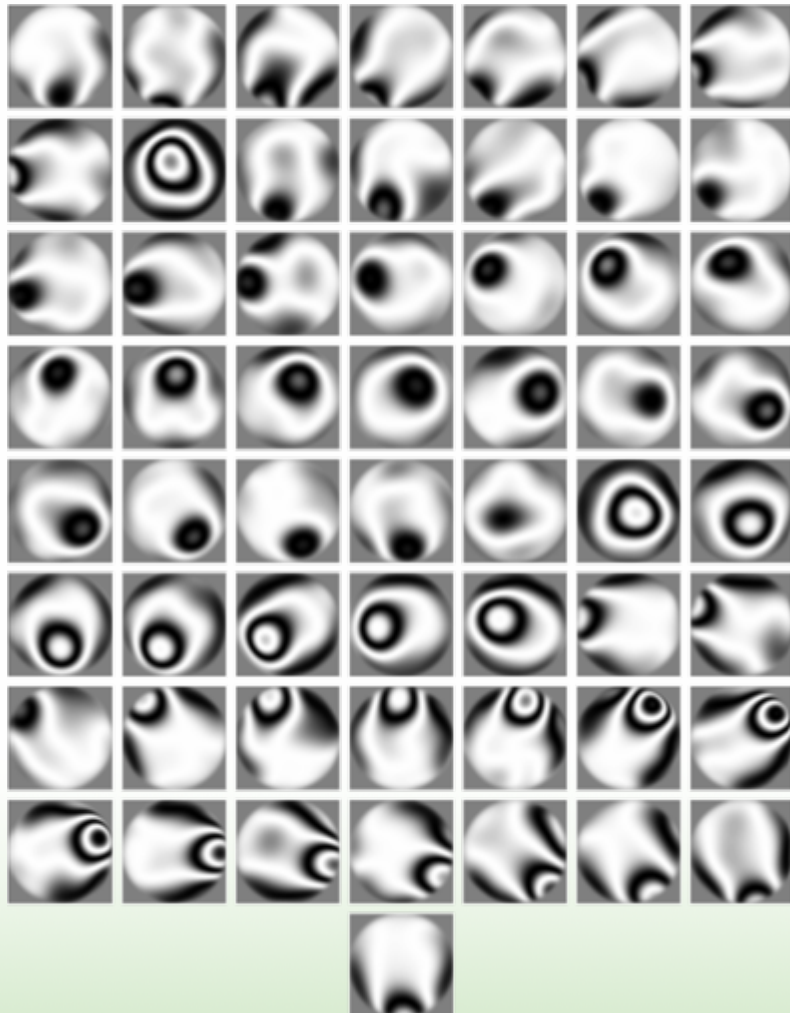
VISIONICA

Deformable Mirror U-Flex-56-MDL-57

DIMENSIONS



TYPICAL RESPONSE FUNCTIONS



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