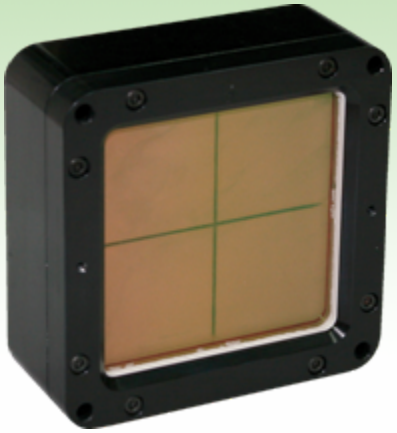

- **The U-Flex-70-SQ-64 - unimorph deformable Mirror is designed to be applied in medical imaging, laser beam control and shaping, optical communications, and astronomy.**
- **The Mirror is capable of forming complex surface patterns, the shape of which is computer-controlled and well suited for compensation 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.**

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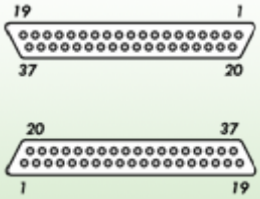
Deformable Mirror U-Flex-70-SQ-64

TECHNICAL SPECIFICATIONS	
Clear Aperture	**70x70 mm**
Substrate	**Glass**
Stroke	**20 µm**
Aperture shape	**square**
Number of control electrodes	**64**
Control voltage (max)	**±300 V**
Resonance frequency	**>8000 Hz**
Working wavelength	**975-1175 nm**
Optical Damage threshold in pulsed operation	**>0.3 J/cm^2**
Surface quality (scratch-dig)	**60-40**
Hysteresis	**<15 %**
Operating temperature	**from +10 to +40 °C**
Storage temperature	**from -30 to +70 °C**
Weight	**350 g**
Size	**100x100x38 mm**

Electrodes arrangement (view from inner side)



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

Visionica Ltd.
2015

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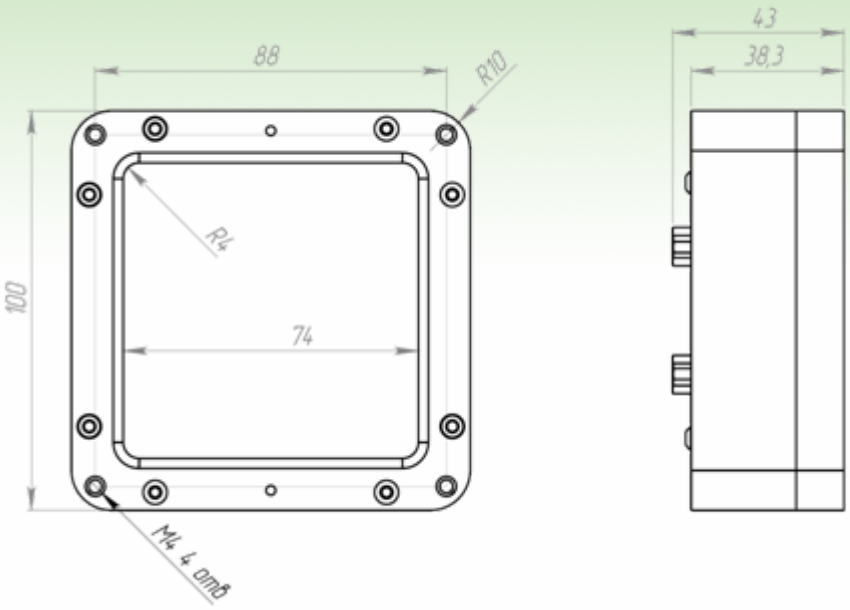
Deformable Mirror U-Flex-70-SQ-64

DIMENSIONS



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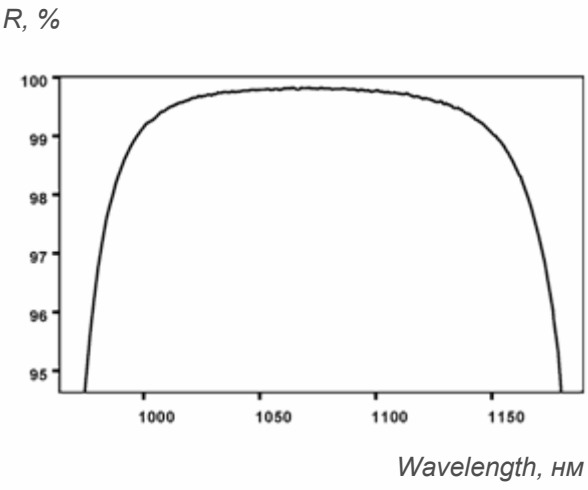

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Part Number:
VC.DMU-70-G-64-SQ