

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Ultrasound pressure-dependent changes of the light intensity distribution for planar US configuration. Full illustration of the outcomes of the US control voltage sweep, subset of which is presented in Fig. 3a. Experimental configuration as shown in Fig. 2a, light transport medium: clear water, camera acquisitions, $z = 20$ cm, $f_a = 2.28$ MHz

File Name: Supplementary Movie 2

Description: Ultrasound pressure-dependent changes of the light intensity distribution for crossed US configuration. Full illustration of the outcomes of the US control voltage sweep, subset of which is presented in Fig. 3b. Experimental configuration as shown in Fig. 2a, light transport medium: clear water, camera acquisitions, $z = 20$ cm, $f_a = 2.28$ MHz.

File Name: Supplementary Movie 3

Description: Ultrasound pressure-dependent changes of the light intensity distribution for column-focused US configuration. Full illustration of the outcomes of the US control voltage sweep, subset of which is presented in Fig. 3c. Experimental configuration as shown in Fig. 2a, light transport medium: clear water, camera acquisitions, $z = 20$ cm, $f_a = 2.28$ MHz