



H-300 Series HIFU Transducer Arrays

- Generate up to 40 Watts acoustic power per channel or 5,000 Watts acoustic average total power
- $\varnothing 150$ mm x $f/1.0$ with a $\varnothing 41.0$ mm central opening
- Steer up to a 12 cm³ volume
- Reduced grating lobes
- Water coupling and integrated water flow upgrade available
- MRI compatibility available

Imaging Probe & Driving System Options Available

Imaging probes may be integrated to achieve real-time imaging in conjunction with the H-300 Array HIFU system. In addition, driving systems may be ordered as a package including the RF driving system, the HIFU array, high power matching network and interfacing software.

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	Units	-301	-302	-303	-304	-305	-306	-307	-308	-309	-310
RF Channels	#	256	256	256	256	256	256	512	512	512	512
HIFU Elements	#	128	128	192	192	256	256	384	384	512	512
HIFU Frequency	MHz	1.1	2.0	1.1	2.0	1.1	2.0	1.1	2.0	1.1	2.0
HIFU Steering Range*	mm		12		14.2		16.2		20.5		24
HIFU Max Power Density at Focus*	kW/cm ²	25	84	42	139	58	192	84	277	112	369
Using Vantage Platform Imaging Elements	#	128	128	64	64	N/A	N/A	128	128	N/A	N/A
Imaging Probe	Model #	IP-104	IP-104	IP-102 IP-103 IP-105	IP-102 IP-103 IP-105	N/A	N/A	IP-104	IP-104	N/A	N/A

*NOTE: Each configuration is designed to provide more power density than Sonic Concepts' single-element HIFU transducer model H-101 (1.1 MHz x Ø64 mm x f/1) and H-106 (2.0 MHz x 64 mm x f/1).

In collaboration with:

Verasonics[®]



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