







## Surphaser 3D Scanners - Specifications & Pricing

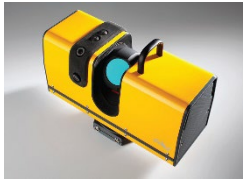

### Short to Medium Range Models

	<b>75HSX USR</b>	<b>80HSX USR</b>	<b>100HSX SR</b>	<b>100HSX IR</b>
				
<b>Weight</b>	11 Lbs	11 Lbs	24 Lbs	24 Lbs
<b>Dimensions</b>	278 x 200 x 118 mm (10.9 x 7.9 4.65 in)	278 x 200 x 118 mm (10.9 x 7.9 4.65 in)	381 x 218 x 121 mm 15 x 8.6 4.75"	381 x 218 x 121 mm 15 x 8.6 4.75"
<b>Measurements</b>	208,000 – per second	208,000 – per second -HQ 832,000 per second - HP	208,000 – 1.2 million per second	208,000 – 1.2 million per second
<b>Ranges Available</b>	USR .2 m – 2.5 m	USR .25 – 7 m	SR 1 – 7 m	HQ = 1 – 35 m HS = 1 -50 m
<b>Range Noise @ 90% Reflectivity</b>	.025 mm @ .3 m – 2 m	.045 mm @ .3 m – 4 m – HQ .11mm @ 0.3 - 4m HP	.024 mm @ 4 m	HQ = .07 mm@ 10 m HS = .16 mm @ 10 m
<b>Range Noise @ 10% Reflectivity</b>	.07 mm @ .5 m – 1.8 m	.14 mm @ .3 m – 4 m .30mm @ .3m - 4m	.088 mm @ 4 m	HQ = .41 mm@ 10 m HS = .3 mm @ 10 m
<b>Range Uncertainty</b>	< .15mm @ 1.5m	< .25mm @ 1.5m HQ < .25mm @ 1.5m HP	< .3 mm @ 3 m	HQ = .35 mm@ 5 m HS = .7 mm @ 15 m
<b>Power/Control</b>	110 AC power, Built in battery & wireless remote control	110 AC power, Built in battery & wireless remote control	110 AC power, PC hookup, battery & wireless remote control	110 AC power, PC hookup, battery & wireless remote control
<b>Light Source</b>	Phase shift 685 nm Laser Class 3R	Phase shift 1550 nm Laser Class 1	Phase shift 685 nm Laser Class 3R	Phase shift 685 nm Laser Class 3R
<b>Base Price*</b>	\$135,200	\$130,000	\$115,000	\$115,000
<b>Color Option</b>	Included. 2 - 5MP built in cameras	Included. 2 - 5MP built in cameras	\$5,800	\$5,800

\*Options include additional software, computer, training and other accessories. Pricing as of 04-25-23. Pricing and specs subject to change.



## Long Range Models

	<b>10</b>	<b>410</b>
		
<b>Weight</b>	11 lbs	11 Lbs
<b>Dimensions</b>	278 x 200 x 118 mm (10.9 x 7.9 4.65 in)	381 x 218 x 121 mm 15 x 8.6 4.75"
<b>Measurements</b>	208,000 – per second	208,000 – 832,00 per second
<b>Ranges Available</b>	HQ = 1 – 50 m HS = 1 -110 m	HQ = .4 – 70 m HP = .4 – 70 m
<b>Range Noise @ 90% Reflectivity</b>	HQ = .12 mm @ 15 m HS = .25 @ 15 m	HQ = .06 @ .4m - 30m HP = .15 @ .4m - 30m
<b>Range Noise @ 10% Reflectivity</b>	HQ = .3 mm @15 m HS = .7 mm @15 m	HQ = .15 @ 1m -15m HP = .3 @ 1m - 15m
<b>Range Uncertainty</b>	HQ = .7 mm @ 15 m HS = .9 mm @ 15 m	HQ = <0.7@15m HP = <0.9@15m
<b>Power/Control</b>	110 AC power, Built in battery & wireless remote control	110 AC power, PC hookup, battery & wireless remote control
<b>Light Source</b>	Phase shift 1550 nm Laser Class 1	Phase shift 1550 nm Laser Class 1
<b>Base Price*</b>	\$87,750	\$125,000
<b>Color Option</b>	Included. 2 - 5MP built in cameras	Included. 2 - 5MP built in cameras