

Technical Specifications



Features	Sonic 2026	Sonic 2024	Sonic 2022	Sonic 2020
Frequency	200 to 400kHz Optional 100kHz Over 20 Frequency selections User selectable in real-time	200 to 400kHz Optional 700kHz Over 20 Frequency selections User selectable in real-time	200 to 400kHz Optional 700kHz Over 20 Frequency selections User selectable in real-time	200 to 400kHz Over 20 Frequency selections User selectable in real-time
Bandwidth	Up to 60kHz	Up to 60kHz	Up to 60kHz	Up to 60kHz
Beamwidth	0.5°x 0.5° at 400kHz 1°x 1° at 200kHz 2°x 2° at 100kHz (Optional)	0.3°x 0.6° at 700kHz (Optional) 0.5°x 1° at 400kHz 1°x 2° at 200kHz	0.6°x 0.6° at 700kHz (Optional) 1°x 1° at 400kHz 2°x 2° at 200kHz	2°x 2° at 400kHz 4°x 4° at 200kHz
Swath Sector	10° to 160° All frequency selections User selectable in real-time	10° to 160° All frequency selections User selectable in real-time	10° to 160° All frequency selections User selectable in real-time	10° to 130° All frequency selections User selectable in real-time
Sounding Depth*	600m+	400m+	400m+	75m+
Ping Rate	Up to 60 Hz	Up to 60 Hz	Up to 60 Hz	Up to 60 Hz
Range Resolution	Down to 1.25cm	Down to 1.25cm	Down to 1.25cm	Down to 1.25cm
Pulse Lengths	15µsec-2ms	15µsec-1ms	15µsec-1ms	15µsec-1ms
Number of Soundings (Normal, Dual, Quad)	256 / 512 / 1024	256 / 512 / 1024	256 / 512 / 1024	256 / 512 / 1024
Operating Modes	Normal, Dual, Quad	Normal, Dual, Quad	Normal, Dual, Quad	Normal, Dual, Quad
Near-field Focusing	Yes	Yes	Yes	Yes
Equiangular or Equidistant Beams	Yes	Yes	Yes	Yes
Roll stabilization	Yes	Yes	Yes	Yes
Pitch stabilization	Yes	No	No	Yes
Automated Operation	Yes	Yes	Yes	Yes
Saturation Monitor	Yes	Yes	Yes	Yes
Depth Rating	100m Optional 4000m**, 6000m**	100m Optional 4000m**, 6000m**	100m Optional 4000m**, 6000m**	100m Optional 4000m**
Operating Temp	-10°C to 50° C	-10°C to 50° C	-10°C to 50° C	-10°C to 50° C
Storage Temp	-30°C to 55° C	-30°C to 55° C	-30°C to 55° C	-30°C to 55° C
Mains	90-260 VAC, 45-65Hz	90-260 VAC, 45-65Hz	90-260 VAC, 45-65Hz	90-260 VAC, 45-65Hz
Power Consumption	75W avg.	50W avg.	35W avg.	20W avg.
Uplink/Downlink	10/100/1000Base-T Ethernet	10/100/1000Base-T Ethernet	10/100/1000Base-T Ethernet	10/100/1000Base-T Ethernet
Deck Cable Length	15m, optional 25m, 50m	15m, optional 25m, 50m	15m, optional 25m, 50m	15m, optional 25m, 50m
Receiver Dim (LWD)	480 x 109 x 190mm	480 x 109 x 190mm	276 x 109 x 190mm	140 x 161 x 133.5mm
Receiver Mass (Air)	12.9 kg	12.9 kg	7.7 kg	4.4 kg
Projector Dim (LWD)	480 x 109 x 196mm	273 x 108 x 86mm	273 x 108 x 86mm	N/A
Projector Mass (Air)	13.4 kg	3.3 kg	3.3 kg	N/A
SIM (LWD)	280 x 170 x 60mm	280 x 170 x 60mm	280 x 170 x 60mm	280 x 170 x 60mm
SIM Mass	2.4 kg	2.4 kg	2.4 kg	2.4 kg