

## **Focusrite Scarlett 2i4 USB Audio Interface Detailed Specifications**

<b>Analogue Input Performance</b>	
<b>Mic</b>	
Frequency Response	20Hz - 20kHz +/- 0.1 dB
THD+N	< 0.002% (minimum gain, -1dBFS input with 22Hz/22kHz bandpass filter)
Equivalent Input Noise (EIN)	< -120dB: measured at 55dB of gain with 150Ω termination (20Hz/22kHz bandpass filter)
Gain Range	+10dB to +55dB (0dB to +45dB when pad is engaged)
Max Input Level	+3.5dBu
<b>Line</b>	
Frequency Response	20Hz - 20kHz +/- 0.1dB
THD+N	< 0.01% ('A' weighted measured with +16dB input gain -1dBFS at output and 22Hz/22kHz bandpass filter)
Noise	-90 dBu (22 Hz/22KHz bandpass filter)
Signal to Noise Ratio	> 100dB
Gain Range	-10dB to +35dB (-20dB to +25dB when pad is engaged)
Max Input Level	+26dBu (at 1% THD+N)
<b>Instrument</b>	
Frequency Response	20Hz - 20kHz +/- 0.1dB
THD+N	0.0025% ('A' weighted measured with 16dB input gain, -1dBFS at output and 22Hz/22kHz bandpass filter)
Noise	-87dBu (22Hz/22kHz bandpass filter)
Gain Range	+10dB to +55dB (0dB to +45dB when pad is engaged)
Max Input Level	+3dBu (+13dBu pad in)
<b>Analogue Output Performance</b>	
Nominal Output Level	0dBFS = +10dBu, balanced
	0dBFS = +5.5bBu, unbalanced
Frequency Response	20Hz - 20kHz +/- 0.2dB
THD+N	< 0.0015%, balanced (-1dBFS input 22Hz/22kHz bandpass filter, un-weighted)
	< 0.03 %, unbalanced (0dBFS input 22Hz/22kHz bandpass filter)
Output Impedance	< 12Ω
Power Output into 32Ω	24mW
<b>Digital Performance</b>	

Clock sources	Internal clock only
A-D Dynamic Range	105dB 'A-weighted' (all inputs). Converter chipset A-D dynamic range 114dB
D-A Dynamic Range	104dB 'A-weighted' (all outputs). Converter chipset D-A dynamic range 114dB
Supported sample rates	44.1 KHz, 48 KHz, 88.2 KHz, 96 KHz

**Crosstalk**

Input to Input	Better than 90dB
Output to Output	Better than 90dB
Input to Output	Better than 85dB

**Input Metering**

Ring LED lit Green	Signal present (-24 dBFS)
Ring LED lit Red	Signal overload (0dBFS), peak held for approximately 1 second

**Weight and Dimensions**

Height	48 mm
Width	210 mm
Depth	140 mm
Weight	890 g