ISA220: Session Pack

All the essential classic Focusrite modules

ISA220

The ISA 220 Session Pack provides all the audio precision tools required to infuse your session with Focusrite's renowned sonic performance. It features many of the original circuits of the flagship ISA 430 MKII Producer Pack, and also includes some new facilities of its own. It also features the same digital output option as the original ISA 430, providing you with a high quality digital route direct from the ISA 220 into your digital recording system.

The ISA 220 starts with the classic Focusrite transformer-coupled microphone pre amp, with phantom power and phase reverse. A four-band Focusrite EQ section follows, based on the EQ circuits featured in the ISA 430 and ISA 110. The compressor features a proprietary Class A VCA with side-chain circuitry, and can be placed in the signal flow before the EQ at the press of a button, if desired. Also included is a unique feature labelled "Blend", which provides a means of achieving smoother compression at extreme settings by mixing uncompressed source signal along with the compressed portion.

The ISA220 also features an opto-based de-esser which uses a combination of EQ and phase cancellation to create a smoother and less obtrusive result. Last but not least, a frequency adaptive, 3-band limiter is provided to ensure distortion-free limiting.

For visual reference, ISA 220 provides a classic analogue VU style meter which can be switched to display input or compressor gain-reduction levels. A pair of 16 segment LED meters are included to display output levels, both analogue and digital in conjunction with the optional 24-bit/96 kHz stereo digital output (AES/EBU, S/PDIF & TOSLINK) card. This card offers 44.1 - 96 kHz operation and can be used as a high-quality mono / stereo tracking converter, or at mix down as a stereo converter for final mastering.

- **Classic Focusrite transformer-based Mic pre**
- **Focusrite EQ featuring elements of the original ISA 110 EQ circuit**
- **Proprietary Focusrite discrete Class A VCA Compressor design featuring 'Blend'**
- **De-esser design based on optical technology for lower distortion and transparency**
- **De-esser listen for independent monitoring of isolated sibilant signals**
- **Precision VU metering of input level or compressor gain reduction (switched)**
- **Frequency-adaptive limiter to prevent critical digital overloads**
- **Optional Stereo A/D – 24 bit 96 KHz Delta Sigma converter**

SPECIFICATIONS

Mic
Noise:	123dB EIN with 150Ω input resistance at 60dB of gain
THD:	0.0008%

Inst. Hi Z I/P
Noise:	-96dBu
THD:	0.003% with 0dBu

Compressor
Threshold Range:	-28dB to +12dB
Ratio:	1.5:1 to 10:1
Slope:	Soft knee
Attack:	500µS to 25mS
Release:	100mS to 4S, variable or auto (program dependent)

De-Esser
Threshold Range:	22dB
Frequency Range:	2K2 to 9K2
Ratio at Centre Frequency:	2:1

Limiter
Threshold Range:	20dBu
Ratio:	infinite (Brick Wall)
Attack:	Frequency dependent

For in-depth details of connections, specifications and comprehensive performance figures, please visit **www.focusrite.com**

Classic Focusrite modules | Unique **"Blend"** feature | the most **affordable** ISA

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