

Shure BLX14/SM31 Specs

System

Wireless Transmission	Analog UHF
Number of RF Channels	123
Included Transmitters	1 x Bodypack
Diversity	Antenna Diversity
RF Frequency Band	J10: 584 to 608 MHz
RF Bandwidth	24 MHz
Max Operating Range	300' / 91.4 m (Line of Sight)
Max Systems per Setup	12
Dynamic Range	100 dBA

Receiver

Form Factor	Table-Top
Antenna	2 x Internal, Fixed

Number of Audio Channels	1
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Audio I/O	1 x XLR 3-Pin Male Output 1 x 1/4" TRS Female Output
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Audio Output Level	XLR Output: -27 dBV (Mic Level) 1/4" Output: -13 dBV (Instrument Level)
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Frequency Response	50 Hz to 15 kHz (Dependent on Mic)
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Impedance	XLR Output: 200 Ohms 1/4" Output: 50 Ohms
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Approximate RF Sensitivity	-105 dBm
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Power Requirements	AC/DC Power Adapter
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AC/DC Power Adapter	12 to 15 VDC at 160 mA, Center-Positive (Included)
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Display & Indicators	1 x Multi-Segment LED (Channel, Group) 2 x LED (AF Level, Sync)
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Housing	ABS
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Operating Temperature	0 to 135°F / -17 to 57°C
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Dimensions	7.4 x 1.6 x 4.1" / 188.0 x 40.0 x 103.0 mm
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Weight	8.5 oz / 241.0 g
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Transmitter

Form Factor	Bodypack
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RF Output Power	10 mW
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Audio I/O	1 x TA4/Mini XLR 4-Pin Male Input (Lockable)
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Muting	Off/On Switch
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Gain Range	-16 to +10 dB
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Sync Method	Manual
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Antenna	1 x Flexible Whip, Fixed (Beltpack)
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Power Requirements	Battery
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Battery Type	2 x AA (Included)
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Approx. Battery Life	14 Hours (Alkaline)
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Display & Indicators	1 x Multi-Segment LED (Channel, Group) 1 x LED (Battery Status, Power)
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Housing	ABS
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Dimensions	2.5 x 4.3 x 0.8" / 64.0 x 110.0 x 21.0 mm
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Weight	2.6 oz / 75.0 g (without Batteries)
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Microphone

Form Factor	Headworn
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Sound Field	Mono
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Transducer	Electret Condenser
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Polar Pattern	Cardioid
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Frequency Range	45 Hz to 20 kHz
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SNR	66 dB
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Equivalent Noise Level	28 dB
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Maximum SPL	145 dB SPL
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Impedance	600 Ohms
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Dynamic Range	117 dB
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Output Connectors	1 x TA4/Mini XLR 4-Pin Female (Lockable)
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Cable Length	3.61' / 1.1 m
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Operating Voltage	5 V
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Weight	2.12 oz / 60 g
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Packaging Info

Package Weight	2.83 lb
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Box Dimensions (LxWxH)	13.5 x 11.95 x 4"
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