

EK 2000 Adaptive Diversity Camera Receiver

FEATURES

- 20 fixed frequency banks with up to 64 compatible presets in up to 75 MHz switching bandwidth and 6 user banks
- Sturdy all-metal housing
- Adaptive diversity technology for high reliability
- Transmitters can be configured in the receiver menu and can be synchronized via the infrared interface
- Wide range of accessories included in delivery
- Enhanced AF frequency response (25....18000 Hz)

It is nice when you can concentrate fully on the picture because you know the sound is reliable. This camera receiver allows you to do just that. Equipped with adaptive diversity, the camera receiver ensures reliable reception. Five frequency ranges with up to 75 MHz switching bandwidth also provide optimum flexibility for components of the 2000 series. The transmitter settings can be synchronized quickly from EK 2000 using infrared technology.



ARCHITECT'S SPECIFICATIONS

Squelch setting possible in 2 dB steps (Off, 5 ... 25 dB μ V) up to 64 compatible presets in up to 75 MHz switching bandwidth. Adaptive diversity (line cable = 2. antenna) Transmitters can be configured in the receiver menu and can be synchronized via the infrared interface balanced audio output. Line output level adjustable, 42 dB in 6 dB steps. Full compatibility to all Sennheiser 2000 series and G3 transmitters. Reduced compatibility to ew G2 and G1 transmitters. Sennheiser HDX Compander system pilot-tone squelch switchable Auto-lock feature to prevent settings from being changed accidentally. Enhanced AF frequency response (25....18000 Hz) Headphone output for control

TECHNICAL DATA

RF frequency range	516 – 865 MHz
Carrier frequencies	max. 3000
Presets	max. 64
Switching bandwidth.....	max. 75 MHz, tuneable in 25 kHz steps
Nominal / Peak deviation.....	± 24 kHz / ± 48 kHz
Squelch threshold.....	Off, 5 – 25 dB μ V: Can be set in 2 dB steps
Intermodulation spacing.....	≥ 75 dB
Sensitivity (with HDX, peak deviation).....	< 1.6 μ V for 52 dBArms S/N
Adjacent channel rejection	typ. ≥ 80 dB
Blocking	≥ 80 dB
Compander.....	HDX
Frequency response.....	25 – 18000 Hz Signal-to-noise ratio (1 mVRF, peak deviation)
	Line $\Omega \geq 120$ dBArms Phones: approx. 90 dBArms
THD	$< 0,9$ %
Audio output	3,5 mm Jack
AF output voltage.....	+17 dBu (at peak deviation, 1 kHz AF) (mono, balanced)
Adjustment range of line output level.....	42 dB, adjustable in steps of 6 dB
Headphone connector:.....	3,5 mm : Jack
Headphone output power (2.4 V, 5% THD and nominal deviation)	Phones: 2 x 12 mW at 32 Ω
Operating temperature	-10 $^{\circ}$ C – +55 $^{\circ}$ C
Power supply	2 AA size batteries, 1.5 V or BA 2015 rechargeable pack

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TECHNICAL DATA

Nominal voltage..... 2.4 V

Power consumption:

- at nominal voltage typ. 180 mA (30 mW)
- with switched-off receiver $\leq 25 \mu\text{A}$

Operating time

(line operation) typ. 9 hrs

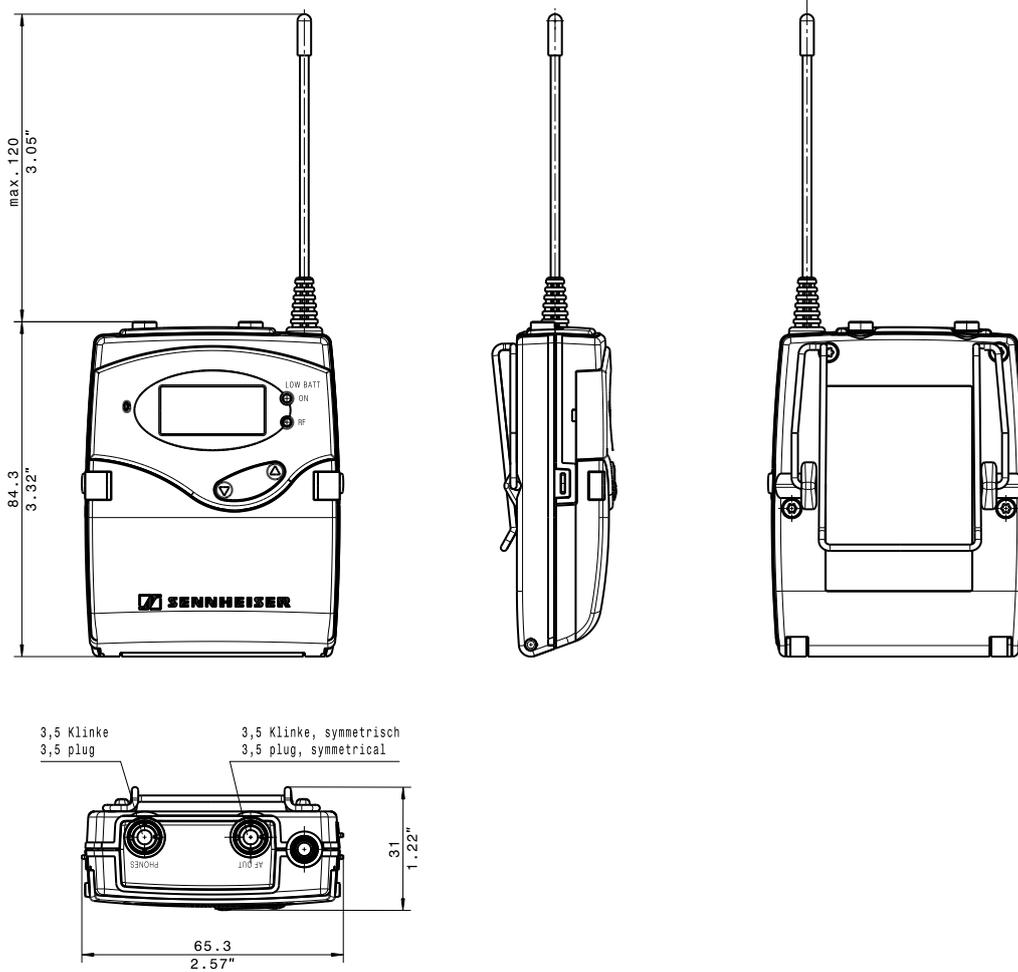
Dimensions approx. 82 x 64 x 24 mm

Weight (incl. batteries) approx. 200 g

Delivery includes:..... 1 EK 2000 diversity receiver
2 AA 1.5 V batteries
1 CA2 camera attachment kit
1 CL 500 line connecting cable
1 CL 1 line connecting cable
1 instruction manual
1 supplementary frequency sheet

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DIMENSIONS



PRODUCT VARIANTS

EK 2000-AW 516 ... 558 MHz	Cat. No. 503150
EK 2000-AW-X 516 ... 558 MHz / Europe	Cat. No. 503814
EK 2000-GW 558 ... 626 MHz	Cat. No. 503815
EK 2000-GW-X 558 ... 626 MHz / Europe	Cat. No. 503816
EK 2000-BW 626 ... 698 MHz 5	Cat. No. 03817
EK 2000-BW-X 626 ... 698 MHz / Europe	Cat. No. 503818
EK 2000-CW 718 ... 790 MHz	Cat. No. 503819
EK 2000-CW-X 718 ... 790 MHz / Europe	Cat. No. 503820
EK 2000-DW 790 ... 865 MHz	Cat. No. 503821
EK 2000-DW-X 790 ... 865 MHz / Europe	Cat. No. 503822

RECOMMENDED ACCESSORIES

BA 2015 rechargeable pack	Cat. No. 009950
L 2015 charger	Cat. No. 009828
DC 2 power adapter for external powering(12V)	Cat. No. 009827
CA 2 camera adapter	Cat. No. 009986
CL 1 line cable (jack to jack, balanced)	Cat. No. 005022
CL 500 line cable (XLR-3 to jack, balanced)	Cat. No. 087047

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