AUDIO-TECHNICA D50 WIRELESS– COMPLIED SPECIFICATIONS *BAI 10/2026*

Overall System

Operating Frequencies	DF2: 470.125 to 607.875 MHz
Modulation Mode	Standard: 8-PSK HD mode: 16QAM
Occupied Bandwidth	Standard: 192 kHz HD mode: 96 kHz
Frequency Response	Standard: 20 to 20,000 Hz HD mode: 20 to 20,000 Hz *Depending on attached microphone element.*
Operating Range	100 m (328') *Open range environment with no interfering signals.*
Dynamic Range	ATW-DT3201 (Mic input): 120 dB, A-weighted, typical ATW-DT3201 (Inst. input): 109 dB, A-weighted, typical ATW-DT3202: 120 dB, A-weighted, typical ATW-DT3207: 120 dB, A-weighted, typical
Total Harmonic Distortion	0.1% or less (at 1 kHz, -20 dBFS)
Maximum Simultaneous Use (recommended)	Standard: 17 channels / 6 MHz *Results may vary depending on the radio environment and usage conditions.*
Delay	Standard: 2.1 ms typ. HD mode: 3.3 ms typ.
Audio Sampling Rate	Standard: 48 kHz HD mode: 48 kHz
Encryption System	AES256
Notes	For product improvement, the product is subject to modification without notice.

ATW-DR3240DAN RECEIVER

Receiving System	Robust: MRC true diversity Normal: Antenna combining diversity
Image Rejection	70 dB
RF Sensitivity	-98 dBm (10^{-5} BER)
Maximum Output Level	+18 dBV
Antenna Input	BNC, 50 ohms
Antenna Power	12 V DC, 150 mA x2
Maximum Power Consumption	AC adapter: 22 W (75 Btu/h) PoE+: 22 W (75 Btu/h)
Power Supply	100 to 240 V AC 50/60 Hz PoE+ (IEEE 802.3at Class 4)
Network	IP control: 100 Mbps Dante: 1 Gbps
Operating Temperature Range	-5°C to 40°C (23°F to 104°F)
Storage Temperature Range	-20°C to 55°C (-4°F to 131°F)
Cooling Method	Fan-assisted air cooling
Airflow Direction	Front intake / Rear exhaust
Dimensions	210 mm (8.3”) × 288.2 mm (11”) × 42.5 mm (1.7”) (W x D x H)
Weight (without included accessories)	2.25 kg (5.0 lbs)
Included Accessories	・Whip antenna ×2 ・AC adapter (AD-SA1230XA) ・AC cable ・Rubber foot ×4 ・Rack-mount adapter (short) ・Rack-mount adapter (long) ・Fixing screw × 7 (3 for the bottom, 4 for the sides) ・BNC cable kit ×2

ATW-DR3220LK RECEIVER

Receiving System	Robust: MRC true diversity Normal: Antenna combining diversity
Image Rejection	70 dB
RF Sensitivity	-98 dBm (10^{-5} BER)
Maximum Output Level	+18 dBV
Antenna Input	BNC, 50 ohms
Antenna Power	12 V DC, 150 mA x2
Maximum Power Consumption	AC adapter: 13 W (44 Btu/h) PoE+: 14 W (48 Btu/h)
Power Supply	100 to 240 V AC 50/60 Hz PoE+ (IEEE 802.3at Class 4)
Network	IP control: 100 Mbps Audio-Technica Link: 100 Mbps
Operating Temperature Range	-5°C to 40°C (23°F to 104°F)
Storage Temperature Range	-20°C to 55°C (-4°F to 131°F)
Cooling Method	Fan-assisted air cooling
Airflow Direction	Front intake / Rear exhaust
Dimensions	210 mm (8.3”) × 288.2 mm (11”) × 42.5 mm (1.7”) (W x D x H)
Weight (without included accessories)	2.1 kg (4.6 lbs)
Included Accessories	・Whip antenna × 2 ・AC adapter (AD-SA1230XA) ・AC cable ・Rubber foot × 4 ・Rack-mount adapter (short) ・Rack-mount adapter (long) ・Fixing screw × 7 (3 for the bottom, 4 for the sides) ・BNC cable kit × 2

ATW-DT3201 BODY-PACK TRANSMITTER

RF Output Power	Standard: 20 mW, 10 mW, 1 mW HD mode: 1 mW
Input Connection	Four pin locking connector Pin 1: GND Pin 2: INST. INPUT Pin 3: MIC INPUT Pin 4: DC BIAS +10V
High-pass Filter	120 Hz, 12 dB/octave
Battery	Lithium-ion battery LI-220 (included)
Battery Life	12 hours (10 mW) *May vary depending on usage conditions.*
Operating Temperature Range	-5◦ C to +45◦ C (23◦ F to 113◦ F)
Storage Temperature Range	-20°C to 55°C (-4°F to 131°F)
Dimensions	56 mm (2.2”) × 80 mm (3.1”) × 24 mm (0.94”) (W x D x H)
Weight (with included battery)	172 g (6.1 oz)
Included Accessories	・Transmitter indicator set (seven colors) ・Pouch

ATW-DT3202 HANDHELD TRANSMITTER

RF Output Power	Standard: 20 mW, 10 mW, 1 mW HD mode: 1 mW
Microphone	Interchangeable microphone capsule-compatible
High-pass Filter	120 Hz, 12 dB/octave
Battery	Lithium-ion battery LI-320 (included)
Battery Life	17.5 hours (10 mW) *May vary depending on usage conditions.*
Operating Temperature Range	-5◦ C to +45◦ C (23◦ F to 113◦ F)
Storage Temperature Range	-20°C to 55°C (-4°F to 131°F)
Dimensions	ATW-DT3202 (without capsule): 183.5mm (7.2”) × 37 mm (1.5”) in diameter ATW-DT3202/C510: 255 mm (10”) × 53.7 mm (2.1”) in diameter
Weight (with included battery)	ATW-DT3202 (without capsule): 245 g (8.6 oz) ATW-DT3202/C510: 374 g (13 oz)
Included Accessories	・Transmitter indicator set (seven colors) ・AT8456a Quiet-Flex™ microphone stand clamp ・5/8"-27 male to 3/8"-16 female threaded screw adapter ・ATW-RR1 anti-rolling ring ・Pouch

ATW-T3207 DESK STAND TRANSMITTER

RF Output Power	Standard: 20 mW, 10 mW, 1 mW HD mode: 1 mW
Microphone	Gooseneck microphone supported
High-pass Filter	120 Hz, 12 dB/octave
Battery	Lithium-ion battery LI-220 (included)
Battery Life	When using a gooseneck microphone with no LED: Approx. 9.5 hours (10 mW) When using a gooseneck microphone with an LED: Approx. 7.5 hours (10 mW) *May vary depending on usage conditions.*
Operating Temperature Range	-5◦ C to +45◦ C (23◦ F to 113◦ F)
Storage Temperature Range	-20°C to 55°C (-4°F to 131°F)
USB Charging Connector	USB Type-C (USB 2.0)
Dimensions	90.5 mm (3.56”) × 129.4 mm (5.1”) × 52.1 mm (2.1”) (W × D × H)
Weight (with included battery)	495 g (17 oz)
Included Accessory	Transmitter indicator set (seven colors)

ESW-CHG6 CHARGING STATION

Power Supply	12 V DC, 3.0 A
Charging Output	AC adapter: When charging one to four transmitters: 5V 1.1A When charging five or six transmitters: 5 V 0.8 A When charging seven or eight transmitters: 5 V 0.5 A PoE+: When charging one to two transmitters: 5V 1.1A When charging three to six transmitters: 5 V 0.5 A Energy-saving mode: 12 V 0.2 A
Maximum Power Consumption	When charging two transmitters: AC adapter: 15 W (51 Btu/h) PoE+: 16 W (55 Btu/h)
Charging Time	・AC adapter ATW-DT3201 (LI-220): When charging one to four transmitters: Approx. 2 hours 30 minutes When charging five to six transmitters: Approx. 3 hours 10 minutes When charging seven to eight transmitters: Approx. 5 hours ATW-DT3202 (LI-320): When charging one to four transmitters: Approx. 3 hours 50 minutes When charging five to six transmitters: Approx. 5 hours When charging seven to eight transmitters: Approx. 7 hours 10 minutes ・PoE+ ATW-DT3201 (LI-220): When charging one to two transmitters: Approx. 2 hours 30 minutes When charging three to six transmitters: Approx. 5 hours ATW-DT3202 (LI-320): When charging one to two transmitters: Approx. 3 hours 50 minutes When charging three to six transmitters: Approx. 7

	hours 10 minutes ・Energy-saving mode ATW-DT3201 (LI-220): Approx. 5 hours ATW-DT3202 (LI-320): Approx. 7 hours 10 minutes *Results may vary depending on usage conditions.*
Network	100 Mbps
Operating Temperature Range	0◦ C to 40◦ C (32◦ F to 104◦ F)
Storage Temperature Range	-20°C to 55°C (-4°F to 131°F)
Cooling Method	Fan-assisted air cooling
Airflow Direction	Front intake / Rear exhaust
Dimensions	145.6 mm (5.7”) × 78.3 mm (3.1”) × 154mm (6.1”) (W x D x H)
Weight	678 g (24 oz)
Included Accessories	・Link cable (short) ・Link cable (long) ・Link plate ・Link plate screws ・Microphone holder

ATW-CHG7 CHARGING STATION

Power Supply	12 V DC, 3.0 A
Charging Output	When charging one to four transmitters: 4.2 V DC 1.5 A When charging five or six transmitters: 4.2 V DC 1.1 A When charging seven or eight transmitters: 4.2 V DC 0.7 A
Maximum Power Consumption	When charging four transmitters: 30.6 W
Charging Time	When charging one to four transmitters: Approx. 2 hours When charging five or six transmitters: Approx. 2 hours 50 minutes

	When charging seven or eight transmitters: Approx. 3 hours 40 minutes Energy-saving mode: Approx. 3 hours 40 minutes *Results may vary depending on usage conditions.*
Network	100 Mbps
Operating Temperature Range	0◦ C to 40◦ C (32◦ F to 104◦ F)
Storage Temperature Range	-20°C to 55°C (-4°F to 131°F)
Dimensions	209.9 mm (8.3") x 303.9 mm (12") x 65.4 mm (2.6") (W x D x H)
Weight	866 g (31 oz)
Included Accessories	・Link cable ・Link plate ・Link plate screws

ATW-CHGA6 BATTERY CHARGER

Power Supply	USB Type-C, ATW-CHG6
Charging Output	USB Type-C: 4.2 V 0.5 A ATW-CHG6: When charging one to four transmitters: 4.2 V 1.2 A When charging five to six transmitters: 4.2 V 0.8 A When charging seven to eight transmitters: 4.2 V 0.5 A
Charging Time (LI-220)	USB Type-C: Approx. 5 hours *Results may vary depending on usage conditions.*
Charging Time (LI-320)	USB Type-C: Approx. 7 hours 10 minutes *Results may vary depending on usage conditions.*
Operating Temperature Range	0◦ C to 40◦ C (32◦ F to 104◦ F)
Storage Temperature Range	-20°C to 55°C (-4°F to 131°F)

Dimensions	63.8 mm (2.5”)×106.8 mm (4.2”) × 25 mm (0.98”) (W × D × H)
Weight	64 g (2.3 oz)

LI-220 LITHIUM ION BATTERY

Type	Lithium ion
Output Voltage	3.6 V DC
Capacitance	2,200 mAh
Dimensions	39.7 mm (1.6") x 56.7 mm (2.2") x 13.5 mm (0.53") (W x D x H)
Weight	49 g (1.7 oz)

LI-320 LITHIUM ION BATTERY

Type	Lithium ion
Output Voltage	3.6 V DC
Capacitance	3,200 mAh
Dimensions	21.4 mm (0.84") x 74.8 mm (2.9") x 20.9 mm (0.82") (W x D x H)
Weight	56 g (2.0 oz)