

SPECIFICATIONS

HANDHELD TRANSCEIVERS

	IC-A25N IC-A25C	IC-A25NE IC-A25CE	IC-A24 IC-A6	IC-A24E IC-A6E	IC-A14 IC-A14S	IC-A15 IC-A15S	
NAV/COM channels	VOR NAV & COM (IC-A25N) COM (IC-A25C)	VOR NAV & COM (IC-A25NE) COM (IC-A25CE)	VOR NAV & COM (IC-A24) COM (IC-A6)	VOR NAV & COM (IC-A24E) COM (IC-A6E)	COM	COM	
Built-in GPS	✓(IC-A25N)	✓(IC-A25NE)	-	-	-	-	
Bluetooth®	✓(IC-A25N)	✓(IC-A25NE)	-	-	-	-	
IP rating	IP57	IP57	IPX4	IPX4	IPX4	IPX4	
Flip-flop channel recall	✓	✓	✓	✓	✓	✓	
MIL-STD 810	✓(G)	✓(G)	✓(F)	✓(F)	✓(F)	✓(F)	
Android™/iOS™ app for flight planning	✓(IC-A25N)	✓(IC-A25NE)	-	-	-	-	
Frequency range (unit: MHz)	TX 118.000-136.992 RX IC-A25N 108.000-136.992 IC-A25C 161.650-163.275 118.000-136.992 161.650-163.275	IC-A25NE 108.000-136.992 IC-A25CE 118.000-136.992	IC-A24 108.000-136.992 161.650-163.275 IC-A6 118.000-136.992 161.650-163.275	IC-A24E 108.000-136.992 IC-A6E 118.000-136.992	IC-A14 108.000-136.975 161.650-163.275 IC-A14S 118.000-136.975	118.000-136.975	118.000-136.975
Number of memory channels	300 channels (15 groups)		200 channels (20 channels x 10 banks)		200 channels (20 channels x 10 banks, IC-A14/A15) 100 channels (IC-A14/A15)		
Channel spacing*1	25 kHz/8.33 kHz		25 kHz/8.33 kHz		25 kHz		
Power supply requirements	7.2 V DC (BP-288) 11.0 V DC (External DC jack)		7.2 V DC (BP-210N), 11.0 V DC (External DC jack)		7.4 V DC (BP-232H)		
Current drain	TX High 1.8 A RX Stand-by 90 mA typical (GPS, Bluetooth, Light:OFF) RX Max. audio 500 mA		TX High 1.8 A RX Stand-by 70 mA typical RX Max. audio 500 mA		TX High 1.5 A RX Stand-by 50 mA typical RX Max. audio 500 mA		
Dimensions*2 (WxHxD)	58.9 x 148.4 x 31.8 mm; 2.3 x 5.8 x 1.3 in		54 x 129.3 x 35.5 mm; 2.1 x 5.1 x 1.4 in		53 x 120 x 36.9 mm; 2.1 x 4.7 x 1.5 in		
Weight (approx.)	384 g; 13.6 oz (with BP-288 and ANT)		430 g; 15.2 oz (with BP-210N and ANT)		350 g; 12.3 oz (with BP-232H and ANT)		
Operating temperature range	-10°C to +60°C		-10°C to +60°C		-10°C to +60°C		
Frequency stability	±0.4 kHz		±1 ppm		±5 ppm		
Output power (PEP/carrier power)	6 W typical/1.8 W		5 W/1.5 W		5 W typical/1.5 W typical		
Microphone impedance	150 Ω		100 Ω		150 Ω		
Sensitivity	COM 1 μV (6 dB S/N)		COM 1 μV (12 dB SINAD)		COM 0.5 μV typical (6 dB S/N) / 0.71 μV typical (12 dB SINAD)		
Selectivity	8.33 kHz 2.778/7.37 kHz (6 dB/60 dB) 25 kHz 7.5/25 kHz (6 dB/60 dB)		60 dB (6 dB SINAD) 60 dB (6 dB SINAD)		2.778/7.37 kHz (6 dB/60 dB) 7.5/25 kHz (6 dB/60 dB)		
Spurious response (COM)	60 dB		70 dB		60 dB		
Audio output power (at 10% distortion)	350 mW into an 8 Ω load		470 mW typical into an 8 Ω load		700 mW into an 8 Ω load (Internal SP) 500 mW into an 8 Ω load (External SP)		

PANEL MOUNT TRANSCEIVERS and MOBILE TRANSCEIVERS

	IC-A220 (TSO version)	IC-A220	IC-A210E	IC-A120	IC-A120E	
TSO certification	✓	-	-	-	-	
NAV/COM channels	COM	COM	COM	COM	COM	
Intercom	✓	✓	✓	✓	✓	
Automatic SQL	✓	✓	✓	✓	✓	
Active Noise Canceling	-	-	-	✓	✓	
Bluetooth®	-	-	-	✓(Use with UT-133A)	✓(Use with UT-133A)	
IP rating	✓(G)	✓(G)	✓(F)	IP54 ✓(G)	IP54 ✓(G)	
MIL-STD 810	✓(G)	✓(G)	✓(F)	✓(G)	✓(G)	
Frequency range (unit: MHz)	TX 118.000-136.992 RX 161.650-163.275		118.000-136.992		118.000-136.992	
Number of memory channels	20 channels (Regular)		10 channels (Regular)		200 channels	
Channel spacing*1	25 kHz/8.33 kHz		25 kHz/8.33 kHz		25 kHz/8.33 kHz	
Power supply requirements	13.8 V or 27.5 V DC (automatic selection)		13.75 V or 27.5 V DC (automatic selection)		13.75 V or 27.5 V DC (automatic selection)	
Current drain	TX High 5.0 A maximum RX Stand-by 500 mA RX Max. audio 4.0 A		5.0 A maximum 500 mA maximum 4.0 A maximum		5.0 A maximum 500 mA maximum 4.0 A maximum	
Dimensions*2 (WxHxD)	160 x 34 x 271 mm; 6.3 x 1.3 x 10.7 in		161 x 45 x 175 mm; 6.3 x 1.8 x 6.9 in		161 x 45 x 175 mm; 6.3 x 1.8 x 6.9 in	
Weight (approx.)	1.2 kg; 2.6 lb		1.0 kg; 2.2 lb		1.5 kg; 3.3 lb (main unit)	
Operating temperature range	-20°C to +55°C		-30°C to +60°C		-20°C to +55°C	
Frequency stability	±5 ppm		±1 ppm (0°C to +40°C)		±5 ppm (-30°C to +60°C)	
Carrier power	8.0 W		6.0 W (4.5-8 W)		9 W typical	
Microphone impedance	600 Ω		600 Ω		600 Ω	
Sensitivity (COM)	2 μV (6 dB S/N)		2 μV (12 dB SINAD)		1 μV (6 dB S/N)	
Selectivity	8.33 kHz (6 dB/60 dB) 25 kHz (6 dB/60 dB)		±2.778/±7.37 kHz ±3/±22 kHz		±2.778/±7.37 kHz ±3/±22 kHz	
Spurious response (COM)	74 dBμ		70 dB		74 dBμ	
Audio output power (at 10% distortion)	5 W into a 4 Ω load (External SP) 60 mW into a 500 Ω load (Headphone)		10 W typical into an 8 Ω load (External SP) 100 mW typical into a 500 Ω load (Headphone)		10 W typical into an 8 Ω load (External SP) 100 mW typical into a 500 Ω load (Headphone)	

All stated specifications are subject to change without notice or obligation. *1 Use of 8.33 kHz channel spacing may be prohibited in some countries. *2 Projections are not included.

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