HF Radio Selection Chart

Full-featured radios; Icom has the right radio for the right job

RADIO/FEATURES	IC-7600	IC-7700	IC-7800	IC-7850	IC-7851
Production	Current	Current	Discontinued	Limited Edition (50th Anniversary)	Current
Bands	HF/6m	HF/6m	HF/6m	HF/6m	HF/6m
RF Output	100W	200W	200W	200W	200W
Display Size	5.8 Inch	7 Inch	7 Inch	7 Inch	7 Inch
Backlight Type	LED (White)	CFL	CFL	LED	LED
Power Supply	External 13.8VDC +/- 15% 23A Min	Internal 85-265VAC	Internal 85-265VAC	Internal 85-265VAC	Internal 85-265VAC
Max Scope Span	+/- 250kHz	+/- 250kHz	+/- 250kHz	500kHz	500kHz
Scope Mode	Fixed/Center	Fixed/Center	Fixed/Center	Fixed/Center	Fixed/Center
Waterfall Display	N/A	Yes (Firmware 2.0)	Yes (Firmware 3.00)	Yes	Yes
Dual Scope (Main/Sub)	N/A	N/A	N/A	Yes	Yes
Scope Speed	N/A	4 Samples/Sec	4 Samples/Sec	29.3 Samples/Sec	29.3 Samples/Sec
Dual Watch	Yes	N/A	Yes	Dual Receivers	Dual Receivers
IP3	+30dBm	+40dBm	+40dBm	+40dBm	+40dBm
Digital Preselector	No	Yes (Variable)	Yes (Variable)	Yes (Variable)	Yes (Variable)
1st IF Roofing Filter (HF/6m)	3(15/6/3kHz)	3(15/6/3kHz)	3(15/6/3kHz)	4(15/6/3/1.2kHz)	4(15/6/3/1.2kHz)
IF Stages	2	2	2	2	2
IF Output	N/A	N/A	N/A	Yes (ACC - A)	Yes (ACC - A)
Image Rejection Mixer	Yes	Yes	Yes	Yes	Yes
Digital Audio I/O	USB	USB, Ethernet, SP/DIF	USB, Ethernet, SP/DIF	USB, Ethernet, SP/DIF	USB, Ethernet, SP/DIF
USB Interface	Keyboard, Memory, Mouse	Keyboard, Memory, Mouse	Keyboard, Memory, Mouse	Keyboard, Memory, Mouse	Keyboard, Memory, Mouse
Send Relay Type	Lead/MOS-FET	Lead/MOS-FET	Lead/MOS-FET	Lead/MOS-FET	Lead/MOS-FET
RX Ant In/Out	Internal Relay	Internal Relay	External Jumpers	Internal Relay	Internal Relay
Additional Final PA Info.	Voltage/Current Drain/Temp.	Voltage/Current Drain/Temp.	Voltage/Current Drain/Temp.	Voltage/Current Drain/Temp.	Voltage/Current Drain/Temp.
Voice Synthesizer	Yes	Yes (Frequency/Mode/ S-Meter)	Yes (Frequency/Mode/ S-Meter)	Yes (Frequency/Mode/ S-Meter)	Yes (Frequency/Mode/ S-Meter)
External Display	N/A	Yes (VGA)	Yes (VGA)	Yes (DVI-I)	Yes (DVI-I)
Memory Card	USB Drive	USB Drive	CF Card	SD Card	SD Card
Scope Functions	Fixed/Center	Fixed/Center	Fixed/Center	Fixed/Center/Dual Scope	Fixed/Center/Dual Scope
Digital Modes	PSK31/RTTY	PSK31/RTTY	PSK31/RTTY	PSK31/RTTY	PSK31/RTTY
Digital Mode Log	N/A	N/A	N/A	Yes (SD Card Storage)	Yes (SD Card Storage)
Audio Scope	No	No	Yes (Firmware 3.00)	Yes (Firmware 1.01)*	Yes (Firmware 1.01)*
Scope Band Edges (Fixed)	N/A	1 (User Adjustable)	1 (User Adjustable)	3 (User Adjustable)	3 (User Adjustable)
Remote Base Server	N/A	Internal (Firmware 2.0)	Internal (Firmware 3.00**)	Internal	Internal
Number of Antenna Ports	2	4	4	4	4
RX Antenna Ports	1 RX Port	1 RX Port	2 RX Ports	2 RX Ports	2 RX Ports

*Audio Scope came with original radio release.
** RS-BA1 Version 1.50 or later is required

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