75W of power for your ultimate 2m mobile experience

75W of output power
The combination of Icom’s one piece, die-cast aluminum chassis and 75W of transmit power gives you the most powerful 2m mobile transceiver in its class! Your communications will get through.

HM-133V, remote control microphone
The backlit HM-133V*, gives you control of your IC-V8000 in the palm of your hand. The Icom exclusive “Hot keys” (F1/F2) memorize the transceiver full settings. As if switching between two separate radios, all operating frequencies, tone settings as well as the display color, fan speed, and set mode settings are memorized.
* Optional for some versions.

Dynamic Memory Scan (DMS)
With 200 alphanumeric memory channels, Icom’s exclusive DMS system gives you flexibility over your scanning lists never offered before in a 2m mobile, fully customizable into 10 banks.

CTCSS and DTCS operation standard
50 CTCSS and 104×2 DTCS encode/decode plus tone scan functions for various communication applications. The “pocket beep” feature gives you an audible and visual indicator of an incoming call.

Weather Alert Scan (U.S.A. version only)
An amateur radio first, the IC-V8000 features a weather alert function to keep you on top of any weather emergencies. With a weather radio mode or weather alert, you are ready for quick response.

Easy Operation
The perfect solution for mobile operation, the IC-V8000 has a front firing speaker providing crisp and clear audio. Along with a 6 character alphanumeric display, it offers quick reference of user-defined memory channel information.

Standard DTMF encoder and optional decoder
10 DTMF memory channels with up to 24-digit DTMF codes can be used to control other equipment. The optional UT-108 DTMF decoder provides code squelch and pager functions.

And more...
• FM narrow mode switchable (U.S.A. version only)
• Selectable squelch delay
• 10dB squelch attenuator
• Cloning capability from PC or between radios
144MHz FM TRANSCEIVER

SPECIFICATIONS

GENERAL
- Frequency range: 144–148MHz
- Transmit: 136–174MHz
- *Guaranteed range 144–148MHz only; Frequency ranges are depending on version
- Mode: FM (F3E, F2D)
- No. of memory channels: 207 (including 6 scan edges, and 1 call channel)
- Operating temperature range: –10°C to +60°C
- Frequency stability: ±10ppm (–10°C to +60°C)
- Power supply requirements: 13.8V DC ±15%
- Current drain (at 13.8V): 1.0A
- Standby current: 0.3A typical (Fan-OFF)
- No. of memory channels: 207 (including 6 scan edges, and 1 call channel)
- Receiver system: Double-conversion superheterodyne
- Intermediate frequencies: 1st 21.7MHz, 2nd 450kHz
- Spurious & image rejection: 75dB typical
- Intermodulation rejection: 75dB typical
- Selectivity (wide/narrow): More than 6/3kHz at –6dB
- Squelch sensitivity: 0.08µV typical (threshold)
- Spurious emissions: Less than –60dB
- Microphone connector: 8-pin modular (600Ω)
- Audio output power: More than 2.0W at 10% distortion with an 8Ω load
- External speaker connector: 3-conductor 5.5 (d) mm (1/4”) / 8Ω

TRANSMITTER
- Output power: 75, 25, 10, 5 W selectable
- Maximum frequency deviation (wide/narrow): ±5.0/±2.5kHz
- Spurious emissions: Less than –60dB
- Microphone connector: 8-pin modular (600Ω)

RECEIVER
- Receive system: Double-conversion superheterodyne
- Intermediate frequencies: 1st 21.7MHz, 2nd 450kHz
- Sensitivity (at 12 dB SINAD): 0.15µV typical
- Squelch sensitivity: 0.09µV typical (threshold)
- Spurious & image rejection: 75dB typical
- Selectivity (wide/narrow): More than 6/3kHz at –6dB
- Intermodulation rejection: 75dB typical
- External speaker connector: 3-conductor 3.5 (d) mm

OPTIONS

HAND MICROPHONES
- HM-133V
  - Remote control microphone with keypad backlighting.
- HM-118N
  - Regular hand microphone.
- HM-118TN/TAN
  - DTMF microphones with keypad backlighting.

OTHER ACCESSORIES
- SP-10 EXTERNAL SPEAKER
- OPC-440/OPC-647 MIC EXTENSION CABLES
  - OPC-440: 5m (16.4ft); OPC-647: 2.5m (8.2ft)
- OPC-441 SPEAKER EXTENSION CABLE
  - OPC-1132: 3m (9.8ft); OPC-347: 7m (22.9ft)
- OPC-474 CLONING CABLES
- OPC-478 CLONING SOFTWARE
  - CS-V8000 CLONING SOFTWARE
    - For quick and easy programming of memories, etc.
- OPC-474 CLONING CABLE (between transceivers)
- OPC-411 SPOTTER UNIT
  - Provides DTMF decode capability with code squelch and pager operation.
- OPC-418 DTMF DECODER UNIT
  - Allows you to connect a regular 8-pin microphone.

OTHER ACCESSORIES
- OPC-1132/OPC-347 DC POWER CABLES
  - OPC-1132: 3m (9.8ft); OPC-347: 7m (22.9ft)
- OPC-589 MIC ADAPTER CABLE

SUPPLIED ACCESSORIES
- Hand microphone* (depends on versions)
- Spare fuse
- DC power cable
- Mobile mounting bracket kit
- Microphone hanger* (depending on versions)

All stated specifications are subject to change without notice or obligation.