# Digital Advantages



Digital PMR446 provides the full advantage of the inherent clarity of the digital signal, and better audio quality at a greater range compared to analogue PMR446 radios. Even in urban areas, where analogue PMR446 users often experience channel congestion, digital channels offer stable communication suitable for professional use.

## Pan-European Licence-Free Communication



The IC-F29DR3 meets pan-European digital and analogue licence-free standards. There are 32 digital channels and 16 analogue channels\*. The IC-F29DR3 is ideal for organisations and businesses where the workplace is constantly changing such as construction sites and events.

#### **Options**

#### Headsets





Behind-the-head type with

boom microphone and

waterproof connector



Earphone microphones



HM-153LA Lapel type microphone

Light weight earphone

## Speaker-microphones



Earhook headset with

boom microphone and





HM-159LA Full size durable

HS-97: Throat Microphone with earphone, VS-4LA or OPC-2004LA is require VS-4LA: PTT switch cable for manual PTT operation

OPC-2004LA: Plug adapter cable for VOX hands-free operation

HS-94 and HS-95 also can be used with either VS-4LA or OPC-2004LA

#### **Battery packs**

waterproof



Battery packs	Туре	Capacity	Operating time*
BP-280	Rechargeable	2280 mAh (min.)	26 hours
	Li-ion 7.2 V	2400 mAh (typ.)	(Approx.)

\* Tx: Rx: standby = 5 : 5 : 90 duty cycle. Power save ON.

#### Multi-charger



Rapidly charges up to six transceivers

and/or battery packs at the same time\*.

\* AD-130 charger adapter is supplied with BC-214N





Charger bracket —

For use with BC-213.

For use with BC-214N.

OPC-656

Cigarette lighter cable CP-23L For use with BC-213.

Power supply cable

Programming software CS-F29SDR Allows quick and simple

Programming cable OPC-478UC-1: USB cable.

setting from a PC.

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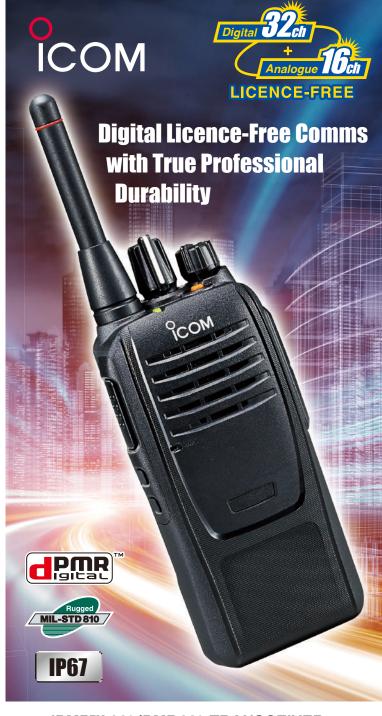
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dPMR™ 446/PMR446 TRANSCEIVER IC-F29DR3

<sup>\*</sup> Number of channels may be restricted, depending on country.









# **Compact Waterproof** Digital Transceiver for Professional Users



## Digital and Analogue Dual Mode

The IC-F29DR3 can be used in both digital (32 ch) and analogue (16 ch) mode at the same time and can scan both zones at once. This allows an organisation to operate both digital and analogue radios in their fleets.



## IP67 Waterproof and Dust-tight

The IC-F29DR3 can withstand 1 m depth of water for 30 minutes. This rugged construction provides dust-tight protection making it suitable for outdoor use.



## Class Leading 1500 mW Powerful Audio Output

The newly designed internal speaker provides louder and clearer audio, allowing you to get your message across even in noisy environments. Optional HM-222HLWP can supply 1500 mW loud audio as an external speaker.



## **Group Call Communication**

Similar to analogue CTCSS and DTCS codes, the digital Common ID can be also used for a group call. These codes and ID can be programmed to the 16 position rotary selector for instant call capability.

## **Specifications**

- Usable channels:
- Output power:
- Audio output power:
- (at 5% distortion)
- (projections not include) 52.2 (W) × 111.8 (H) × 29.4 (D) mm (with BP-280)

Internal speaker 1500 mW typical (with 8 Ω load)

External speaker 400 mW typical (with 8Ω load) /

1500 mW typical (with 8Ω load) with HM-222HLWP

16 ch (PMR 446) 32 ch (dPMR™ 446)

270 g (with MB-133, BP-280) • Weight: Communication range\*: Approximately 11km (Wide open space)

500 mW (ERP)

- Operating temperature: -25°C to +55°C IP67 (Dust-tight and waterproof protection)
  - MIL-STD-810-G



## **VOX** for Hands-free Operation

With either optional headset\* HS-94LWP or HS-95LWP, the built-in VOX function provides convenient hands-free operation. The HS-94LWP/HS-95LWP has a waterproof connector.

\* HS-94 and HS-95 also can be used with OPC-2004LA



### **Voice Announcement Function**

When you rotate the rotary selector, the radio announces the selected channel number. The radio also announces the zone number and mode when the zone button is pushed.



## 12 types of Ring Tone

The Call-Ring function allows you to call your group members with 12 types of ring tone. When you prearrange any ring tone for an emergency, the ring tone can be used for an emergency alert.



### Other Features

·26 hours operating time with supplied BP-280 ·Lone Worker Function · AquaQuake™ · Channel Set Mode · Power ON scan ·Tone scan (analogue) · Nuisance delete · Answer back call (analogue) ·LED light indicator ·Status Call (RX only) ·PC programmable ·AMBE+2™ dPMR™ standard vocoder

## **Supplied Accessories**

(\* May differ depending on version)











\* Communication range may differ depending on operating environment or weather conditions, etc. All stated specifications are subject to change without notice or obligation.