



APPLICATIONS

- DRM30 broadcasting in frequencies less than 30 MHz
- Integration in LW, MW or SW transmitter
- DRM Test transmission in trials or laboratories

KEY BENEFITS

- Seamless Integration to LW, MW or SW transmitter
- DRM30 Modulator
- Double Power Supply as an option

TECHNICAL SPECIFICATIONS

INPUTS / OUTPUTS

1 x MDI Input for DRM30 compliant with TS 102 820 and TS 102 821

1 x GPS Aerial Input on 50Ω TNC connector

2x 10/100 Base-T Ethernet port on RJ45 connector

1 x Digital 48kHz I/Q output on 1 XLR connector (600Ω balanced)

ELECTRICAL

AC Input: 110-240 V, 50/60 Hz

Power consumption: < 20W

Option: Double Power Supply

CONTROL AND MONITORING

Remote control through a web server with HTTP interface

SNMP Monitoring (MIB V2)

MECHANICAL

Dimensions and weight: 1RU: 483 x 250 x 44 mm; 4 kg

Temperature Range:

- Operating: 0°C to 50°C
- Storage: -20°C to 70°C

Humidity: 10% to 80% at 50°C

REAR PANEL



TECHNICAL SPECIFICATIONS

FEATURES

DRM30 modulator/exciter compliant with ES 201 980

MFN and SFN operations

Integrated GPS receiver with NTP server

FAC, SDC and MSC Management

All A, B, C and D modes

All standard QAM modes (MSC 64 or 16 and SDC 16 or 4)

Hierarchical symmetrical / Hierarchical mixed constellations and mapping

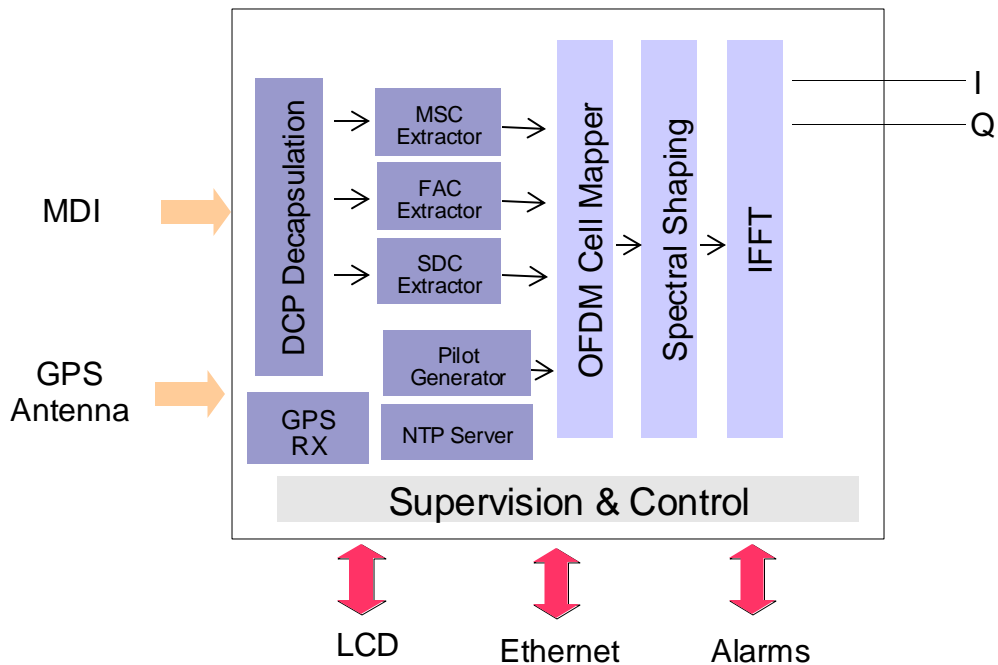
Short and long interleaving process

DRM 4.5/5/9/10/18 and 20kHz channel bandwidths

From 1/4 to 8/9 – Equal / Unequal coding rate (EEP/UEP)

Dynamic Reconfiguration Support

BLOCK DIAGRAM



ORDERING INFORMATION (FOR MINIMUM CONFIGURATION)

~ DRM30-MODIQ	DRM30 modulator with IQ output
~ OPT-Dual PS	Optional second back up power supply working in parallel with the main power supply