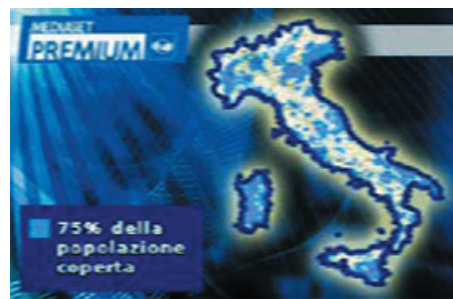


Mediaset Premium Pay-per-View services

Mediaset Premium offers the best of the entertainment in Pay-per-View mode. With Mediaset Premium the end user pays only for what he watches.

Mediaset premium smart card is rechargeable.

The offer is extremely rich including premier league football events, prime time films, concerts and the most popular reality shows like Big-Brother



For any information on the availability of the service in Italy please go to the websites www.mediasetpremium.it oppure www.dgtv.it

MAIN CHARACTERISTICS AND ACCESSORIES

- Automotive homologation E24 10R-020235
- Diversity antenna technology for DTT reception while moving of free-to-air and Pay-per-View content
- MultiCA system embedding Nagravision, Irdeto and Conax;
- Mediaset premium Pay-per-View compatible
- LA7 Cartapiu' Pay-per-View compatible
- Automatic channel search with auto-tracking
- Favourite channel list
- 12/24 VDC power compatibility
- 220 VCA wall power supply (included in the QTM 100C)
- Remotized infrared sensor
- On air software upgrade
- 2 A/V inputs
- 3 Video outputs
- Remote powered dedicated active antennas

TECHNICAL SPECIFICATIONS

DVB-T

Network Interface Module—DVB-T COFDM
Dual-RF Diversity with Anti-Doppler Enhancement
DVB / MPEG2 Transport and De-Multiplexing
ISO / IEC 13818-1 MPEG-2 Transport Stream Compliance
Nording II and ETS 300 744 DVB-T Full compliance
Full 47—860 Mhz Frequency Range for VHF and UHF
OFDM Demodulation 2K and 8K FFT for SFN and MFN
Symbol rates : up to 34 MS/s
Automatic Adjacent-Channel Interface Cancellation
Supports QPSK and 16/64QAM Constellation
Support 1/4, 1/8, 1/16, 1/32 Guard Interval
Support FEC Decoding: 1/2, 2/3, 3/4, 5/6 and 7/8
Support Reed-Solomon (204, 188) ETS 300 477

Video Decoding and OSD

ISO/IEC 13818-2 MPEG-2 Video MP@ML Compliance
ISO/IEC 11172-2 MPEG-1 Video Compliance
Resolution 720x480 for NTSC and 720x576 for PAL
16:9/4:3, 3:2 Pull Down, Letterbox and Pan/Scan
65K Colour OSD

Audio Decoding

ISO/IEC 13818-3 MPEG-2 Audio Compliance
ISO/IEC 11172-3 MPEG-1 Audio Compliance
Stereo / MTS

Front Panel

Smart Card Reader
Power— on / lock LED's
IR sensor (QTM100C)
IR Remote Connector
Power LED
Car Power Connector 12/24 V (QTM100K)
External Power Supply Connector (QTM100C)

Rear Panel

Antenna-In : F-type x2
Stereo Audio Input (RCA) x 2
Composite Video Input (RCA) x 2
Mono Audio Output (RCA) x 1
Stereo Audio Output (RCA) x 1
Composite Video Output (RCA) x 3

Safety and Reliability

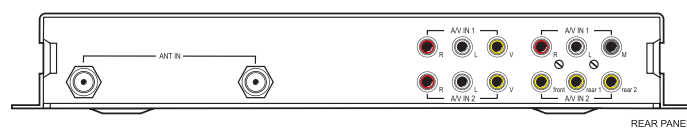
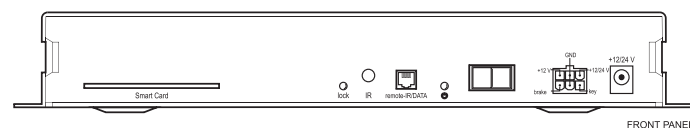
Operation temperature : - 5 C - +55 C
Storage temperature : -25 C - +85 C

Consumptions

0,94 A in full operation powering two antennas
0,65 A in stand by
500 microA when off (car key off)

Mechanical Specification

Dimension (WxDxh): 275 mm x 140 mm x 42 mm



Images, description and specification of the present catalogue are purely indicative. We reserve the right to make technical modification without prior notice.
Manufactured in accordance to the TUV regulation and in conformity of the quality certification n° 951001196



Digital Terrestrial Television on the move

The first DTT decoder

that offers free-to-air and pay-per-view TV services dedicated to the mobile entertainment featuring diversity antenna technology



Your favourite sport events, the latest news, films and reality shows now available right in your vehicle

Manufactured and distributed by: **Quantum SpA**
Viale Piero e Alberto Pirelli, 6 - 20126 Milano
tel. +39 02 36570410 - fax. +39 02 99989779
For information: info@qtm.it

Quantum

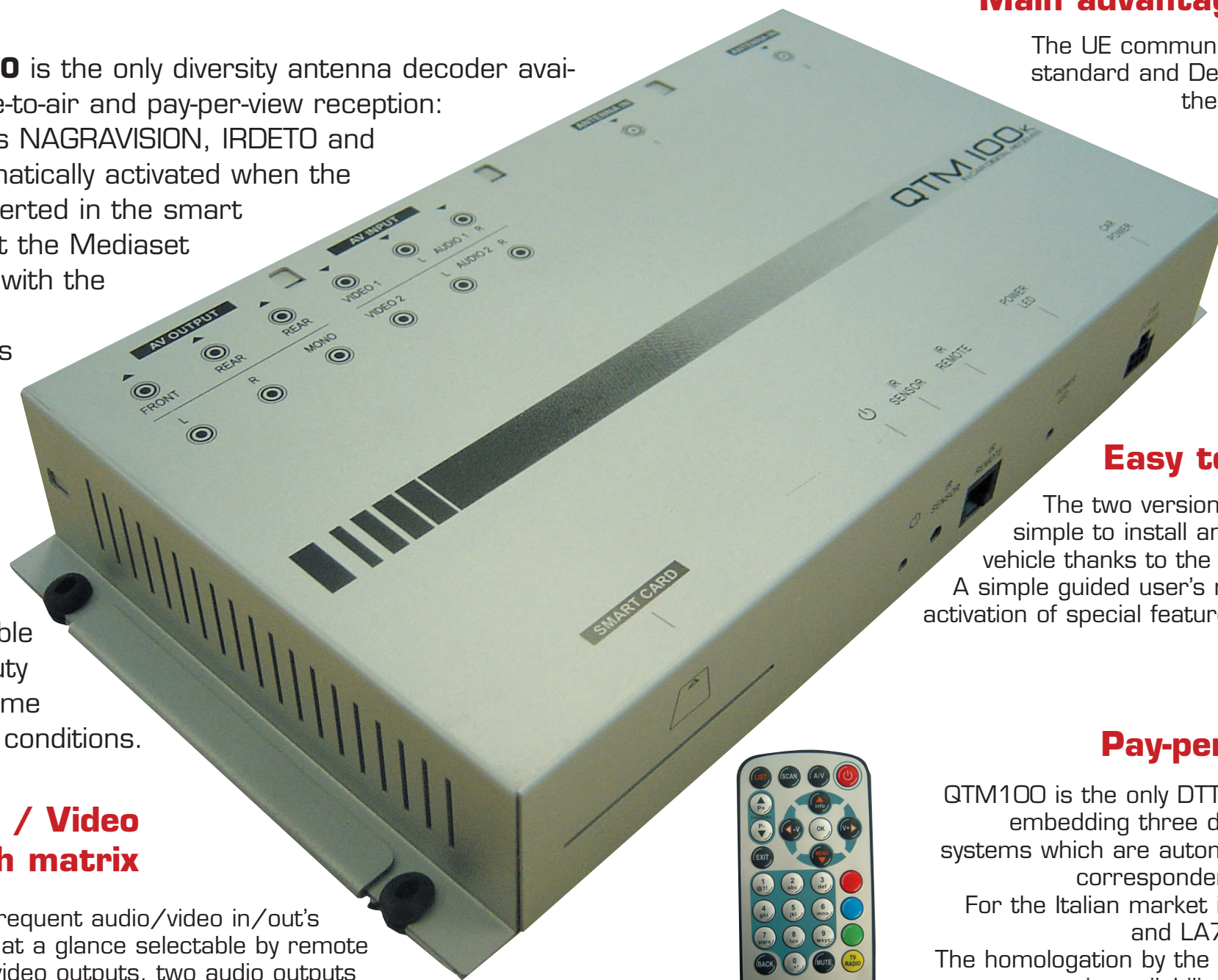
QTM100

Developed by Quantum **QTM 100** is the only diversity antenna decoder available in the market featuring free-to-air and pay-per-view reception: three different conditional access NAGRAVISION, IRDETO and CONAX are included and automatically activated when the correspondent smart card is inserted in the smart card reader. In the Italian market the Mediaset Premium smart card is bundled with the product. **QTM 100** has been developed by Quantum's engineers with the automotive application in mind: diversity antenna technology for optimal digital video quality up to a speed of 250 Km/hrs, sturdy and robust construction featuring vibration and shock proof

technology suitable for heavy duty and extreme working conditions.

Audio / Video switch matrix

All most frequent audio/video in/out's connections at a glance selectable by remote control: three video outputs, two audio outputs (one stereo) and two independent audio/video stereo inputs



Main advantages of Digital Terrestrial TV (DTT)

The UE community has adopted DTT as the European broadcasting standard and December 2008 is the commonly agreed deadline for the official switchover when the analogue broadcasting transmission will be ceased. DTT gives to the user important advantages versus analogue TV:

- More channels available
- TV programs as well as Radio
- Digital image quality like playing a DVD
- Digital audio quality featuring 5+1 stereo surround like playing a CD
- Interactive services and programs

Easy to install

The two versions **QTM 100C** and **QTM 100K** are extremely simple to install and can be positioned virtually everywhere in the vehicle thanks to the compact and slim shape of the sturdy metal case. A simple guided user's menu allows the automatic set up and the activation of special features like remote powering of the active antennas

Pay-per-View compatibility

QTM100 is the only DTT diversity decoder available embedding three different conditional access systems which are automatically enabled when the correspondent smart card is inserted. For the Italian market it is approved by Mediaset and LA7 for the pay-per-view offer.

The homologation by the main operators secures the automatic availability via broadcasting download of software upgrades adding new features and applications

Free-to-air Digital Terrestrial TV and Pay-per-View programming featuring today in your vehicle

Quantum's top notch engineers has worked on digital TV technologies since 1995 developing set top boxes that have been successfully marketed by leading companies active in the consumer industry.

The evolution of the technology and the availability of new standards internationally adopted like DVB-T and DVB-H paves the way to the introduction of a new product line for the mobile entertainment of which the QTM 100 is the first to come to the marketplace.

Quantum spa is the leading industry in Europe in the new technologies for the mobile TV.

Two versions for different needs and applications

QTM 100K is dedicated to cars featuring key-block powering for an appropriate usage

QTM 100K is equipped with all the security systems required by current legislation like automatic disabling of front monitor video signal while moving vehicle.

QTM 100C is dedicated to Motor-Homes, Trucks or Boats where a constant power supply is needed even if the vehicle is parked and the engine not running.

QTM 100 C includes a wall 220/12 Vdc power supply

Digital Terrestrial Television
on the move

Quantum