TV exciters/transmitters

Preliminary version

digital video

GOLD DIGITAL VIDEO *front view*

Features - *Caratteristiche*

> **GOLD DIGITAL VIDEO** supports DVB-T/H, DVB-SH, DTMB, MediaFLO or ATSC (8VSB) full mode implementation.
The version may change depending upon demand.

> Very high modulation performance (MER, signal stability, shoulder level, low phase noise).

> MFN and SFN operation.

> Powerful Linear and Non-linear digital pre-correction.

> Pressure encoder provides great accessibility for user/device interaction, resulting in extreme ease of use. Configuration software offers a simple, intuitive interface through icons.

> Total control thanks to microprocessor easily programmed from menu or via RS232/USB with all key parameters displayed on a wide-screen LCD.

> Advanced built-in telemetry system enables alarm transmssion and SMS command reception through external or integrated GSM modem. In alternative thanks to TELINK alarms and commands are available also on TCP/IP with ANTLAN or BURK.
The GSM modem and TELINK are available as options.

> Compact and rugged, stainless steel chassis, in 3 rack unit only.

> *Il **GOLD DIGITAL VIDEO** supporta la versione completa DVB-T/H, DVB-SH, DTMB, MediaFLO o ATSC (8VSB).
La versione può cambiare su richiesta.*

> *Altissime prestazioni di modulazione (rapporto di errore di modulazione, stabilità del segnale, livello delle spurie generate fuori banda, basso rumore di fase).*

> *Funzionamento MFN (Rete a Frequenze Multiple) e SFN (Rete a Frequenze Singole).*

> *Potente precorrezione digitale lineare e non-lineare.*

> *L'indicatore di pressione permette un'ampia interazione tra utente e dispositivo che garantisce un'estrema semplicità di utilizzo.
Il software di configurazione offre un'interfaccia semplice ed intuitiva con l'utilizzo di icone.*

> *Controllo totale grazie a microprocessori programmati semplicemente da un menu o tramite RS232 con visualizzazione di tutti i parametri chiave sull'ampio schermo LCD.*

> *L'avanzato sistema di telemetria integrato consente la trasmissione di allarmi e la ricezione di comandi SMS tramite un modem GSM esterno o integrato.
In alternativa, grazie a TELENK, allarmi e comandi sono disponibili anche su protocolli di trasmissione TCP/IP con ANTLAN o BURK.
Il modem GSM e TELENK sono disponibili come optional.*

> *Struttura compatta e robusta in acciaio inossidabile in sole 3 unità rack.*

GOLD DIGITAL VIDEO rear view

Technical specifications

STANDARDS			
DVB Digital Video Broadcasting	**WORLD DMB** Digital Multimedia Broadcasting Radio • Mobile TV • Multimedia • Traffic Data	**MediaFLO**	**atsc** Advanced Television Systems Committee
All DVB-T and DVB-H modes supported (hierarchical and not hierarchical)	GB20600-2006, ISO/IEC 13838-1, EN 50083-9	FLOTM Air Interface Specification	ATSC (8VSB) mode supported
-	-	FLOTM Transmitter Minimum Performance Specification	-
MPEG-TS INPUT			
4x ASI (Redundant inputs and hierical modes)	2x ASI	2x ASI	2XASI 2XSMPTE
188 or 204 bytes, MIP processing, bit rate adaption and PCR restamping	188 MIP processing, bit rate adaption and PCR restamping	188 bytes bit rate adaption PCR restamping	188/204 bytes bit rate adaption PCR restamping
OUTPUT			
VHF / UHF: From 30 MHz to 860 MHz			
Output Power: from 1 to 50 Wrms			
MER: > 36 dB		MER: > 34 dB	MER-S/N>30dB
Shoulders: > 40 dB			
Channel bandwith: 5, 6, 7, 8 MHZ			Channel bandwith: 6 MHZ
CLOCK AND SYNCHRONIZATION			
High quality internal OCXO			
10 MHz external reference for SFN operation			
1 PPS external reference for SFN operation			
MODULATION			
OFDM modulation	Single carrier & TDS-OFDM / VSB modulation	All Modes (0-11)	8-VSB
QPSK / 16QAM / 64 QAM		-	
Guard Interval: 1/32, 1/16, 1/8, 1/4	Guard Interval: 1/9, 1/7 or 1/4	-	
Hierarchical Parameter: alfa 0,2,4	LDPC Code Rate 0,4, 0.6,0.8	-	
FFT: 2K,4K,8K	FFT:4K	-	
INNER Interleaving: Native/In Depth	INNER Interleaving: Mode 0 (OFF), Mode 1 (48), Mode 2 (240) or Mode 3 (720)	-	
CONTROL AND MONITORING			
RS-232C & USB			
POWER SUPPLY			
Voltage: 110 - 130 VAC; 200 - 250 VAC			
Frequency: 50 - 60 Hz			
PHYSICAL			
Dimensions: Std. 19" frame, 483 (19") W x 133 (5,24") H x 615,3 (24,22") D, mm.			
OPTIONS			
Built-in GPS professional receiver			
Telemetry control through TCP-IP and SNMP			

CE ① 99/5/CE **Revision: 03/09**