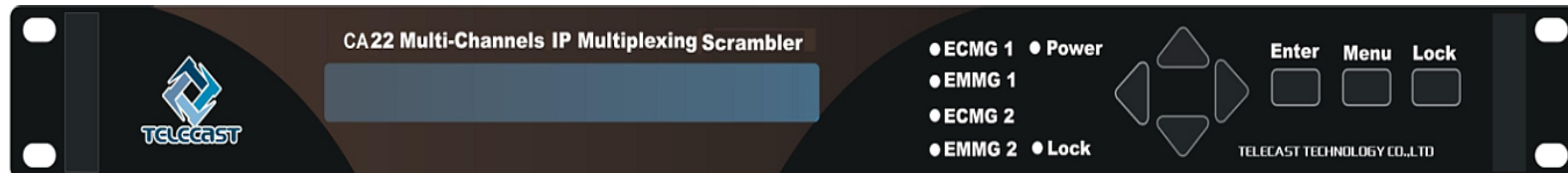


CA22 Multi-Channel IP Multiplexing Scrambler



Function:

Multi Channels IP output and IP output TS Multiplexer and scrambler



Overview:

CA22 Multi-Channel IP Multiplexing Scrambler is embedded digital image communication product developed by our company with independent intellectual property right. It is an advanced TS multiplexing and scrambling equipment of digital broadcasting TV system. According to the PID packet switching technology, it can multiplex multi-channel of digital data stream signal, analyze the input SPTS/MPTS, and insert EPG (Electronic Program Guide), CA (Conditional Access) and data broadcasting in the output data stream. It is used for DVB simul-crypt scrambling of the input data stream, embedding control word generator inside and sending fixed or variable control words for scrambling. The scrambler has build-in simul-crypt synchronous controller, sending control words and access conditions to exchange information with ECMG. It can deal with Max 36 channels Multiplexed and scrambled output when it is used to transmit digital TV programs. This equipment complies with MPEG-2 transport layer specification, and can be used in TV station, digital image monitoring and other occasions.



Features:

Completely comply with ISO13818 and EN300 468 standard

DVB common scrambling system description ETR289, common scrambling system description

Support Max 36 channels MPEG-2 TS re-multiplexing

Comply with DVB common scrambling algorithm, support simul-crypt mode and be compatible with multiple CAS

Support Max 36 channels MPEG-2 TS DVB scrambling

LCD panel, monitoring the system status and setting multiplexer parameters in real time

Re-defined PAT, PMT and other PSI/SI tables

Ethernet interface, remote control multiplexer operating, human-machine interface

Support PCR correction and PID re-mapping

IP multiplexing scrambler can keep the total output code rate unchanging, when VBR changed.

Input TS packet length 188/204 adaptive

PSI automatic generation, editable; be convenient to expand EPG, SI and other business through Ethernet interface

High precision PCR correction, average PCR jitter is about 20~60ns

High reliability design, stable in running



Technical Specification:

» Input and Output Interfaces	» ASI (Max 270Mbps/channel)		» Input	» Output
			» 2 Channels	» 2 Channels(the same output)
	» Combo	» Optical Interface	» GbE×4, SFP, Mutual exclusion with electrical interface	
» Electrical Interface		» GbE×4, RJ45, Mutual exclusion with Optical Interface		
» Re-multiplexing			» MPEG-2 Transport Stream re-multiplexing	
			» PID re-mapping (Auto/Manual)	
			» PCR correction	
			» Automatic generates PSI/SI table	
» Output Code Rate			» 1~108Mbps, continuous and adjustable	
» Management Interface		» Ethernet Interface		» 10/100M adaptive
		» Dimension		» 44mm×482mm×410mm
» Normal Attributes		» Temperature		» 0~45 (Operating); -20~80 (Storage)
		» Power Supply		» 220VAC ±10%, 50Hz, 35W