

3DGFLEX

Digital evolution



80 years of innovation

FRACARRO

1933 >> 2013



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3DGFLEX

New headend for hospitality solutions

Auto Remapping Function

You can change a program in real time within the mux without the need to retune all the TV sets in the system.

Before



Output MUX 2

Name	Port	Position	LCN	Band (MHz)	Actions
Sat.1	SAT 1	4	12	2.200	
Sat.2	SAT 1	1	18	2.200	
TRT TURK URUMCI	SAT 2	2	12	2.200	
TRT TURK	SAT 2	11	18	2.200	
TRT TURK	Back Panel	1	18	2.200	

After



Output MUX 2

Name	Port	Position	LCN	Band (MHz)	Actions
SAT.1	SAT 1	4	12	2.200	
SAT.2	SAT 1	1	18	2.200	
TRT TURK	SAT 2	2	12	2.200	
TRT TURK	SAT 2	11	18	2.200	
TRT TURK	Back Panel	1	18	2.200	

Web based interface:

The headend can be remotely programmed or monitored anytime or anywhere (PC and mobile). When a change is detected in the users configuration an alert e-mail is automatically sent.



ARP 2.0

Assign a priority level to each program to guarantee continuity of service when a bit rate overflow occurs. All the programs will be sequentially restored when the global bit rate returns to within the system limits.

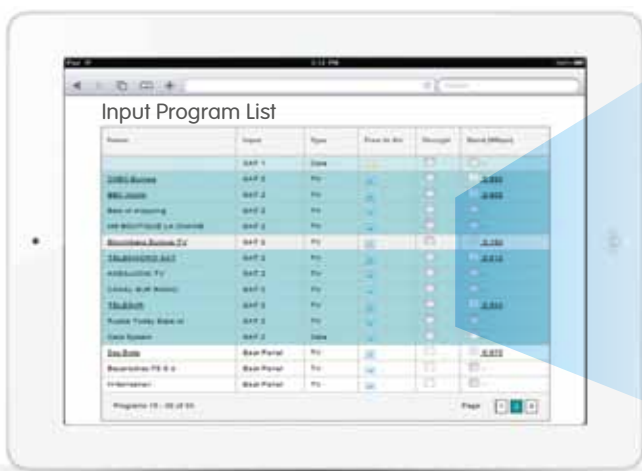


The 3DGFLEX is a modular unit designed to process a range of digital signals ready to be distributed over a centralised system, such as large apartment buildings or hospitality environments, combining the selected programs from 3 different satellite input sources into a single multiplex.



MUX ad Hoc agile QAM or DTT

Create a mux with the chosen programs from up to 3 satellite transponders and manage all the descriptor parameters: just drag and drop the available channels into the mux.



Output MUX 1

Name	Input	Position	LCN	Band (MHz)	Services
FRACARRO	SAT 1	1	11	3.375	
FRACARRO	SAT 1	2	12	3.375	
FRACARRO	SAT 2	3	13	3.375	
FRACARRO	SAT 2	4	14	3.375	
FRACARRO	Back Panel	5	15	3.375	
Total				25.48125 Mbps	

Programs 1 - 5 of 5

IPD Management MUX 1

Output MUX 2

Name	Input	Position	LCN	Band (MHz)	Services
FRACARRO	SAT 1	4	11	3.375	
FRACARRO	SAT 1	5	12	3.375	
FRACARRO	SAT 2	6	13	3.375	
FRACARRO	SAT 2	7	14	3.375	
FRACARRO	Back Panel	8	15	3.375	
Total				28.21012 Mbps	

Programs 1 - 8 of 8

IPD Management MUX 2

Technical features

Item	3DG-2S2-ST	
Code	283157	
Front-End Satellite		
Tuners	No.	2
Input frequency	MHz	950-2150
Input level	dBV	48-80
LNB control	VDC, KHz	0/14/18, 0/22
Demodulation	DVB-S, DVB-S2	
Symbol rate	MS/sec	DVB-S: 2-45, DVB-S2: 2-30
AFC Range	MHz	-5 to +5
Modulation DVB-T		
Generated muxes	No.	2
Bandwidth	MHz	6, 7, 8
Modulation	QPSK, 16-QAM, 64-QAM	
FEC	1/2, 2/3, 3/4, 5/6, 7/8	
Modulation DVB-C		
Generated muxes	No.	2
Bandwidth	MHz	depends on the output SR that was set
Modulation	16-QAM, 32-QAM, 64-QAM, 18-QAM, 256-QAM	
FEC	Reed Solomon (204, 188)	
RF Output		
Output frequency	MHz	111-862 (S2-E69)
Max. output level	dBμV	102
Output MER	dB	≥36

Item	3DG-BOX	
Code	283156	
Max. number of modules	No.	6
RF mix input	MHz	47-862
Mains supply	Vac, Hz	184-264, 50/60
Power consumption	W	105
Connectors type	F female (RF)	
Dimensions (L x W x H)	mm	415 x 260 x 265
Operating temperature	°C	-10 to +50 (without CAM)
Remote power supply	mA	max 400@18V

Try **3DGFLEX** on
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