

FibreIRS DTT Processor

Fibre Integrated Reception System



- Compact 6 channel fully agile DTT processor.
- SAW filters.
- 45dB rejection of adjacent channels.
- 30dB adjustable gain.
- Expandable to 8 channels.



The professional wall mountable FibreIRS DTT Processor has 6 pre-installed channel modules as standard (expandable to 8 channels with additional plug in modules available separately), all of which are fully agile and can be easily programmed to select the required 8MHz channel and reject all unwanted signals in the UHF band (470-862MHz) – Ideal for use with the FibreIRS distribution system.

Each channel has 30dB of level adjustment with the additional benefit of a switchable output boost of 18dB for long cable runs or passive splits being employed.

Technical Specifications

Product Part No.	
DTT processor	F101671
DTT filter (additional)	F101671-UHF

RF specifications		
Parameter	Specification	Notes
Frequency range	470-862MHz	
Characteristic impedance	75Ω	
Input and output return loss	>10dB	
Number of channels	6	Expandable to 8
Broadcast standard	DVB-T 8MHz	
Gain	20dB	
Maximum total input power	92dBμV	Total of analogue and digital signals
Maximum analogue input	85dBμV	
Maximum digital input	75dBμV	With analogue present
Channel flatness	<2.5dB	
Adjacent channel rejection	>45dB	

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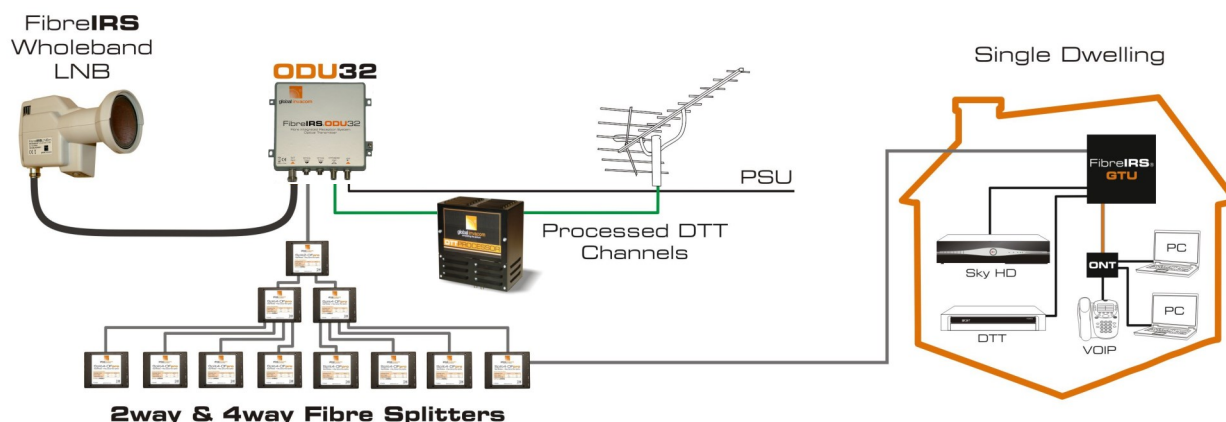
DAB specifications		
RF frequency range	217-230MHz	
Nominal impedance	75Ω	
Insertion loss	<2dB	

DC specifications		
Input power supply voltage	20V±0.5	
LNA supply voltage (output)	12V±0.5	Fed out through RF input
LNA supply current max	100mA	
Current consumption	<1.0A	Not including LNA load

Connectors	
UHF antenna input	F
DAB antenna input	F
RF output	F
Power supply	F

Environmental specification	
Operating temperature	0 to +50°C
Storage temperature	-10 to +60°C

Dimensions	
Size	182 x 205 x 122 mm
Weight	3.7kg



**Global Invacom will only support systems that are installed using
GI - approved fibre cabling & system components**

Note: Specifications subject to change without notice