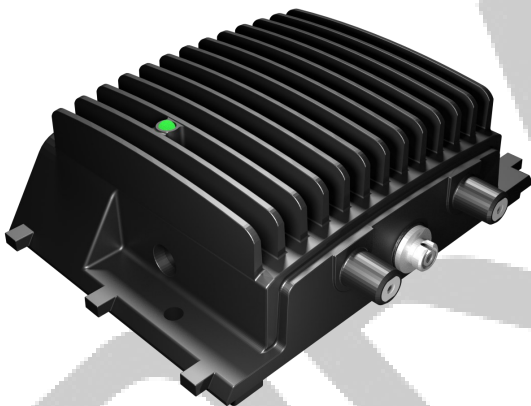


- Optical to RF convertor (Satellite and FM,DAB,DTT )
- Compatible with SKY Q
- Automatic Gain Control (AGC)
- Terrestrial signals overlaid onto each output



The dSCR GTU converts optical power to RF power (4 satellite bands and FM,DAB,DTT ). All units have built in AGC which allows a wide dynamic range of optical powers without affecting output power and quality. One LED indicator allows the user to monitor the status of the unit. Configurable for any user bands. Able to work in legacy, analogue SCR (aSCR) and digital SCR (dSCR) modes.



## Technical Specifications

### Product Part No.

dSCR GTU	D000199
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### Satellite (Electrical)

Parameter	Min	Max	Notes
RF frequency range (MHz)	950	2150	
Output impedance	75Ω		
Return loss	10dB		
Gain variation across band		10dB	
Nominal output level (Legacy)	75dBμV *		
Nominal output level (dSCR)	79dBμV		
Terrestrial rejection	35dB		
* additional variation can occur due to satellite transmitted signal levels.			

## DTT, DAB & FM (Electrical)

Parameter	Min	Max	Notes
RF frequency range			
DTT	470-790MHz		
DAB	174-240MHz		
FM	88-108MHz		
Nominal impedance	75Ω		
Return loss	10dB		
Nominal DTT output	71dBμV		For 6 multiplexes
Gain variation across band		5dB	
950-2150MHz rejection	35dB		

## FM,DAB,DTT & Satellite (Optical)

Optical wavelength	1100nm to 1650nm		
Optical input power (typical)	-12dBm <sup>#</sup>	-3dBm	<sup>#</sup> For systems with 19.2dB optical budget

## Control signals (Legacy only)

Vertical select voltage	11.5V	14.0V	13V nominal
Horizontal select voltage	16V	19V	18V nominal
Low / High band	0/22KHz tone		

## DC specification

Input voltage range	20V		
Current consumption (Quad)	430mA max		

## Connectors

Output	F x 2
Power supply	2.1mm Jack
Optical input	FC/PC

## Environmental Specification

Operating temperature	0°C to +50°C
Storage temperature	-40°C to +70°C

## Standards

Cenelec	EN 50607
Cenelec	EN 50494

## Optical cabling

Fibre type	Single mode
Standard	GI - approved G657a

## Dimensions

Size (W x H x D)	134mm x 105mm x 43mm excluding plastics (136mm x 135mm x 46mm inc plastics)
Weight	450g excluding PSU

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

Note: Specifications subject to change without notice