FibreIRS

FibreIRS Multiswitch System

SwitchBlade dCSS
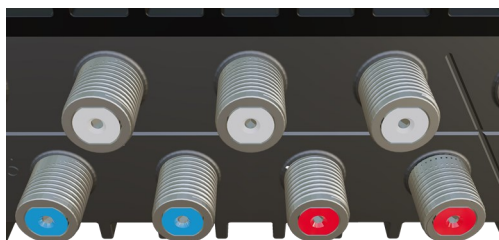
global invacom
completing the picture

- **FibreIRS FC/PC optical input**

- **Fully compatible with GI optical LNB, ODU32 & ODU32 (1550)**

- **4 dCSS and 8 legacy outputs**

- **Compatible with SKY Q**

- **Space saving design - all connections on one side**

- **All units powered by a single PSU (included)**

Introducing the new dCSS SwitchBlade from Global Invacom. Featuring 4 x dCSS outputs that support SKY Q and legacy SKY Set top Boxes, 8 x Legacy outputs that support multisatellite up to 4 satellites. SwitchBlade can be used in conjunction with both the ODU32 or Optical LNB. Compatible with existing 8 way SatPlus units. Connector inserts colour coded to aid identification of ports.

Blue = dCSS Port

Red = Programming ports (Factory use only)

White = Legacy/Multisat ports

Product Part No.	
dCSS SwitchBlade Base Unit	D000406

Technical Specifications

Satellite (Electrical)			
Parameter	Min	Max	Notes
Output RF frequency range (MHz)	950	2150	
Output impedance	75Ω		
Return loss	10dB		
Gain variation across band		6dB *	
Nominal output level legacy	78dBµV		For 30 transponders
Terrestrial rejection	30dB		
Control			Legacy, SKY Q, EN50494, EN50607
* 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		70dBµV	For 8 multiplexes
Gain variation across band		3dB	
950-2150MHz rejection	35dB		

FM.DAB,DTT & Satellite (Optical)

	Min	Max	Notes
Optical wavelength	1100nm to 1650nm		
Optical input power	-14dBm	-3dBm	Subject to optical budget limitation of system deployed

DC specification

Input voltage	12V	
Current consumption dCSS Base	1.9A Max	
Current from receiver	<25mA	Per port
DiSEqC	1.0	

Dimensions (W x H x D)

1 satellite (Base only)	227mm x 138mm x 67.5mm
2 satellite (Base + SatPlus)	227mm x 220mm x 67.5mm
3 satellite (Base + 2 x SatPlus)	227mm x 303mm x 67.5mm
4 satellite (Base + 3 x SatPlus)	227mm x 385mm x 67.5mm
Weight - dCSS base unit	1.212Kg

Connectors

Input	FC/PC
Output	F type (female)
Power supply	2.1mm Jack

Environmental Specification

Operating temperature	-20°C to +40°C
Storage temperature	-40°C to +70°C

Global Invacom will only support systems that are installed using

FibreIRS™ approved fibre cabling & system components

Note: Specifications subject to change without notice