

FibreIRS O2E

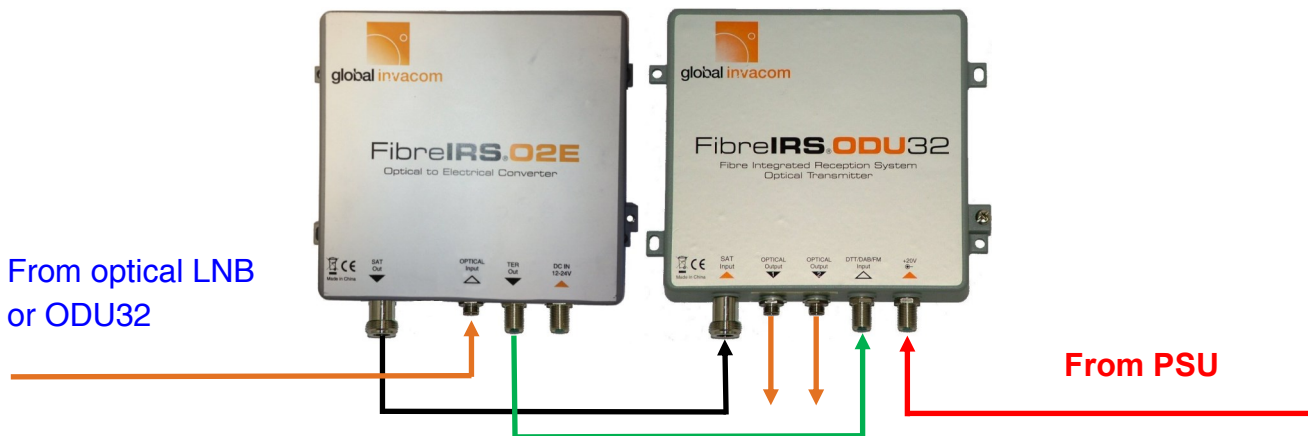
Fibre Integrated Reception System



- Expands fibre systems to over 2000 GTU's
- For use with GI optical LNB or ODU32
- Fully weatherproof (IP65)
- Wholeband cable supplied with unit
- Powered externally or by connected ODU32



The O2E has been designed to be used in conjunction with either the ODU32 or the fibre optic LNB to increase the number of subscribers that can be connected to a single dish. If used in conjunction with the fibre optic LNB it can increase the distance from the dish to a large FIRS system. Maximum splits from each output (Optical LNB or ODU32) before the O2E is 16, for units connected after the O2E it is as per product specification.



Product Part No.	
O2E	F813006

Technical Specifications

Optical			
Parameter	Min	Max	Notes
Optical Wavelength (nm)	1100	1650	
Return loss (dB)	20		
Input optical power (dBm)	-15	-3	Subject to system performance specifications



Satellite (Electrical)			
Frequency	950MHz	5.45GHz	
Nominal impedance	50Ω		
Return loss	9dB		
Output power (dBμV)	80		
Gain variation across band		4dB	

DTT, DAB and FM (Electrical)			
RF frequency range			
DTT	470-862MHz		
DAB	174-240MHz		
FM	88-108MHz		
Nominal impedance	75Ω		
Return loss	9dB		
DTT output power (dBμV)	87		DAB power levels -14dB with respect to DTT FM power level same as DTT
Gain variation across band		4dB	
950-2150MHz rejection	20dB		

DC specification			
Input voltage range (external)	10V to 24V		
Current consumption	65mA		@20V

Connectors	
Input	Fibre Optic FC/PC
Satellite output	N
DTT/DAB/FM output	F
Power supply	F

Dimensions	
Size	160 x 167 x 30 mm inc connectors
Weight	450g

Environmental Specification	
Operating temperature	-30 to 60°C
Storage temperature	-30 to 60°C

Optical cabling	
Fibre type	Single mode
Standard	GI - approved G657a

Global Invacom will only support systems that are installed using

GI - approved fibre cabling & system components

Note: Specifications subject to change without notice