

Series F Whyte Fibre Optic Transmitters



WFTX3-G1

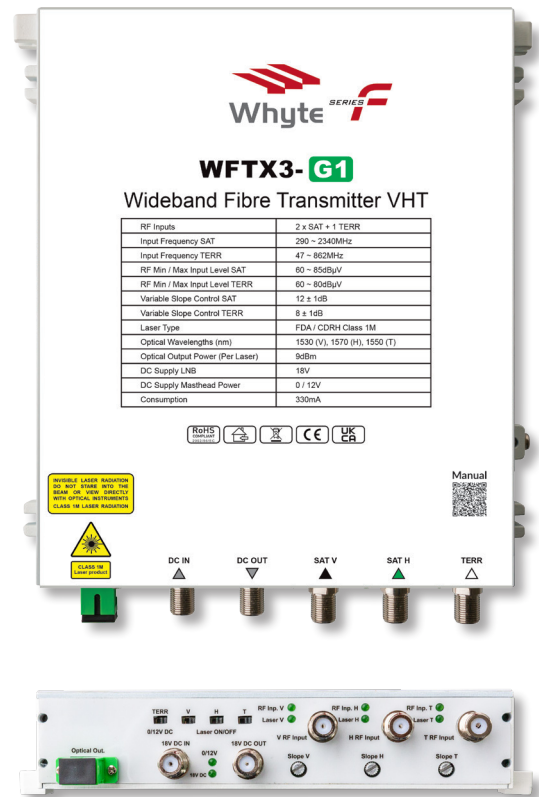
- 4 Year Warranty
- Single laser per Input
- Wideband SAT Input
- Full band TERR Input
- Variable Slope Control
- RF and Laser Indicators
- Multiple mounting options
- Ultra Low MER Degradation <0.2dB
- Satellite and Terrestrial Optical Transmitter
- 9dBm Optical Power supporting 64-Way split

The Whyte WFTX range of Optical Fibre Transmitters offer an efficient quality solution for Fibre IRS systems. Whyte Optical Transmitters utilise a single laser per input which are multiplexed (CWDM) for a single optical output. This configuration ensures minimum signal degradation. The V and H SAT inputs are compatible with all Wideband LNB's and will accept any signals within the 290~2340MHz range. The TERR input 47 ~ 862MHz supports FM, DAB and DTT.

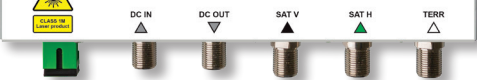
The WFTX3-G1 features DC in and DC Output, Laser On/Off switches for V, H & TERR, Variable Slope Control for V, H and TERR and Masthead Power switch for enabling/disabling 12V DC at the TERR RF input. The WFTX3-G1 is a three-laser CWDM device.

Dual wideband satellites can be supported using the loop-in loop-out function (two transmitters) WFTX3-G1 and WFTX2-G2 and their matching receivers. Where a Quattro LNB source is required, Transmitters and Receivers are also used in pairs via their optical loop-in loop-out connectivity. Each individual path is supported by Variable Slope Control (VSC) and can be adjusted to present the flattest output for your Fibre IRS system.

When combined with other products from the Whyte Series F range, large scale FTTH (Fibre To The Home), FTTC (Fibre To The Cabinet) and FTTB (Fibre To The Block) Fibre IRS systems can be successfully implemented.



WFTX3-G1	
Wideband Fibre Transmitter VHT	
RF Inputs	2 x SAT + 1 TERR
Input Frequency SAT	290 ~ 2340MHz
Input Frequency TERR	47 ~ 862MHz
RF Min / Max Input Level SAT	60 ~ 85dBµV
RF Min / Max Input Level TERR	60 ~ 80dBµV
Variable Slope Control SAT	12 ± 1dB
Variable Slope Control TERR	8 ± 1dB
Laser Type	FDA / CDRH Class 1M
Optical Wavelengths (nm)	1530 (V), 1570 (H), 1550 (T)
Optical Output Power (Per Laser)	9dBm
DC Supply LNB	18V
DC Supply Masthead Power	0 / 12V
Consumption	330mA



MODEL	WFTX3-G1
RF Inputs	2x SAT + 1 TERR / 75Ω Female F-Type
Input Frequencies SAT	290 ~ 2340MHz
Input Frequencies TERR	47 ~ 862MHz
RF Input Sequence	V, H, T (left to right)
RF Min/Max Input Level SAT	60 ~ 85dBµV
RF Min/Max Input Level TERR	60 ~ 80dBµV
SAT Input Return Loss	>10dB
TERR Input Return Loss	>8dB
Variable Slope Control SAT	0 (Flat) to 12 ±1dB
Variable Slope Control TERR	0 to 8 ±1dB
RF Input Isolation	>30dB (port to port)
RF Input Status	Below Min Input LED = Off
Laser type	FDA/CDRH Class 1M
Optical Output (SC APC)	1
Optical Wavelengths	1530nm (V), 1570nm (H), 1550nm (T)
Optical Output Power (Per Laser)	9dBm
Optical Output On/Off	Switch (per laser)
Optical Output Status	LED (per laser)
Maximum Optical Splits	x64
DC Supply LNB H & V	18V DC
DC Supply Masthead Power MHP	12V DC (switchable)
DC Input	18V DC
DC Indicator	LED On / Off
DC Output (Aux)	18V rated to 2.5A
Consumption	330mA
Operating Temperature Range	-10 to 50°C
Dimensions L x W x H (mm)	148 x 190 x 36
Weight	1130g

Series F Whyte Fibre Optic Transmitters



WFTX2-G2

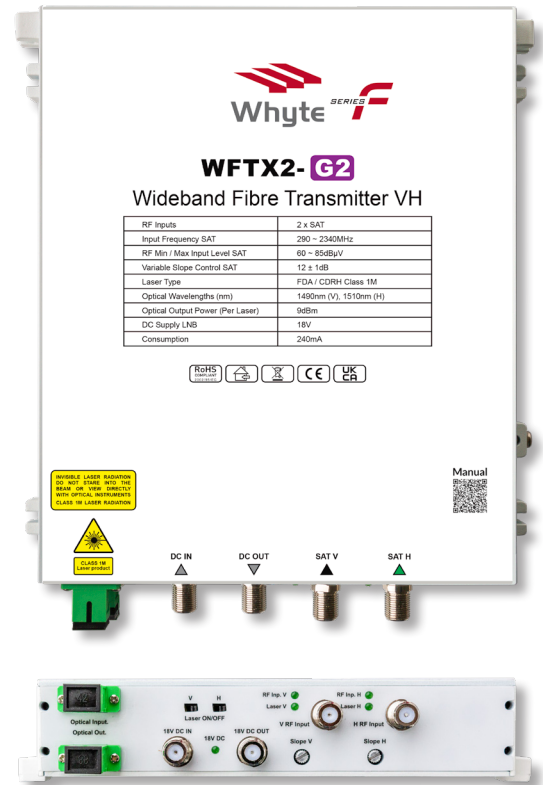
- 4 Year Warranty
- Single laser per input
- Wideband SAT Input
- Variable Slope Control
- RF and Laser Indicators
- Multiple mounting options
- Satellite Optical Transmitter
- Ultra Low MER Degradation <0.2dB
- 9dBm Optical Power supporting 64-Way split

The Whyte WFTX range of Optical Fibre Transmitters offer an efficient quality solution for Fibre IRS systems. Whyte Optical Transmitters utilise a single laser per input which are multiplexed (CWDM) for a single optical output. This configuration ensures minimum signal degradation. The V and H SAT inputs are compatible with all Wideband LNB's and will accept any signals within the 290~2340MHz range.

The WFTX2-G2 features DC in and DC Output, Laser On/Off switches for V and H, Variable Slope Control for V and H SAT Inputs. The WFTX2-G2 is a two-laser CWDM device.

Dual wideband satellites can be supported using the loop-in loop-out function (two transmitters) WFTX3-G1 and WFTX2-G2 and their matching receivers. Where a Quattro LNB source is required, Transmitters and Receivers are also used in pairs via their optical loop-in loop-out connectivity. Each individual path is supported by Variable Slope Control (VSC) and can be adjusted to present the flattest output for your Fibre IRS system.

When combined with other products from the Whyte Series F range, large scale FTTH (Fibre To The Home), FTTC (Fibre To The Cabinet) and FTTB (Fibre To The Block) Fibre IRS systems can be successfully implemented.



MODEL	WFTX2-G2
RF Inputs	2x SAT / 75Ω Female F-Type
Input Frequencies SAT	290 ~ 2340MHz
RF Input Sequence	V, H (left to right)
RF Min/Max Input Level SAT	60 ~ 85dBμV
SAT Input Return Loss	>10dB
Variable Slope Control SAT	0 (Flat) to 12 ±1dB
RF Input Isolation	>30dB (port to port)
RF Input Status	Below Min Input LED = Off
Laser type	FDA/CDRH Class 1M
Optical Input (SC APC)	1 For optical input from WFTX3-G1
Optical Output (SC APC)	1
Optical Wavelengths	1490nm (V), 1510nm (H)
Optical Output Power (Per Laser)	9dBm
Optical Output On/Off	Switch (per laser)
Optical Output Status	LED (per laser)
Maximum Optical Splits	x64
DC Supply LNB H & V	18V DC
DC Input	18V DC
DC Indicator	LED On / Off
DC Output (Aux)	18V rated to 2.5A
Consumption	240mA
Operating Temperature Range	-10 to 50°C
Dimensions L x W x H (mm)	148 x 190 x 36
Weight	1100g