

FTTH SAT-IF or SAT-IF Overlay CATV Product Series Comparison Table

Signal multiplexing method		TX		RX		RF operating bandwidth	Transmit signal form
		DM-TX	EM-TX	PIN	APD		
FDW Single wavelength frequency multiplexing	Frequency range subsection	HDS-26A	HES-26A	HRS-26A		47~862 & 950~2600MHz	1-Band SAT-IF & Analog TV
	Continuous band	HDS-26D	HES-26D	HRS-26D/P	HRS-26D/A	47~2600MHz	1-Band SAT-IF & Digital TV
		HDS-26S		HRS-26S/P	HRS-26S/A	950~2600MHz	1-Band SAT-IF
WDM multi-wavelength multiplexing (combined)	3 fiber	HDBS-3000TX		HDBS-3000RX		3 wavelength 950~2600MHz × 2 47~862MHz × 1	2-Band SAT-IF & CATV
	CWDM-3	HDBS-3000CW-TX		HDBS-3000CW-RX			
	DWDM-3	HDBS-3000DW-TX		HDBS-3000DW-RX			
	4 fiber	HDBS-4000TX		HDBS-4000RX		4 wavelength 950~2600MHz × 4	4-Band SAT-IF
	CWDM-4	HDBS-4000CW-TX		HDBS-4000CW-RX			
	DWDM-4	HDBS-4000DW-TX		HDBS-4000DW-RX			
	5 fiber	HDBS-5000TX		HDBS-5000RX		5 wavelength 950~2600MHz × 4 47~862MHz × 1	4-Band SAT-IF & CATV
	CWDM-5	HDBS-5000CW-TX		HDBS-5000CW-RX			
	DWDM-5	HDBS-5000DW-TX		HDBS-5000DW-RX			

Remarks: 1. Original HDBS-3000 series changed to HDS-26S, original HDBS-6000 series changed to HDS-26A. HDBS-3000 series is combined 3-wavelength multiplexing, used to transmit 2-Band SAT-IF and 3-Band SAT-IF.

2. Operating wavelength: All Externally Modulated TX is 1550nm(C-Band), 1550nm, 1310nm and CWDM is selectable for Direct Modulated TX. CWDM can not follow-up EDFA, is only useful for small system.

3. 1550nm TX can use EDFA, YEDFA for amplify, all can choose ITU standard wavelength adjustable, all can be Compatible any FTTH PON Technology, such as EPON, EPON, RFOG

4. For some high-end residence and user, request transmit satellite signals more than 4-Band, could choose one piece of HDBS-5000DW and multiple pieces HDBS-4000DW combination, through DWDM that one optical fiber could transmit 8-Band, 12-Band, 16-Band that different program signal of satellites.

5. Gray part of products (Optical Receiver + Destacker) are being developing.

6. This specification has been distributed carry out since May 20, 2010.