



DIGITAL VIDEO SYSTEMS

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Stay ahead with our cutting-edge Digital Video Systems. Offering high-resolution video capture, storage, and analysis, our systems are ideal for surveillance, security, and monitoring applications. With advanced features like remote access and intelligent analytics, our digital video solutions provide unparalleled clarity and control, enhancing situational awareness and security.

EDIMAX WIFI ROUTERS

	Single Band Router	Dual Band WiFi Routers			Smart Plug Range Extender
					
Code	AR7286WN	ED-EWAP1750	ED-EWAP1200	ED-CAP1200	ED-SP-1101W
Function	Wall mount router	Wall mount PoE router	Wall mount PoE router	Ceiling mount router	WiFi Smart Switch
Frequency & Speed	2.4GHz / 300Mbps	2.4GHz / 450Mbps	2.4GHz / 300Mbps	2.4GHz / 450Mbps	150Mbps (over power lines)
Ports	1 x RJ45 Gigabit WAN port	5GHz / 1300Mbps	5GHz / 867Mbps	5GHz / 1300Mbps	-
	4 x RJ45 Gigabit LAN 1000Mbps	2 x Gigabit LAN ports	2 x Gigabit LAN ports	1 x Gigabit LAN port	-
Security	WPA / WPA2	WEP / WPA / WPA2	WEP / WPA / WPA2	WEP / WPA / WPA2	WEP / WPA / WPA3 / WPS
Standards	802.11b / g / n	802.11b / g / n / a / ac	802.11b / g / n / a / ac	802.11b / g / n	802.11a / b / g
Supply	230VAC/12VDC 0.5A adaptor	230VAC/12VDC 4A adaptor	230VAC/12VDC 2.5A adaptor	230VAC/12VDC 1A adaptor	In/Out 100-240VAC

NETGEAR WIFI MODEMS/ROUTERS

	WiFi ADSL2+	AC1900 WiFi VDSL/ADSL	AC2600 WiFi VDSL/ADSL
• WiFi Protected Access® (WPA/WPA2-PSK) • Double firewall protection (SPI & NAT) • Denial-of-service (DoS) attack prevention • Actual throughput & Coverage is site/network dependant			
Code	D6000	D7000	D7800
Description	• AC750 Simultaneous Dual Band WiFi - IEEE® 802.11 b/g/n 2.4GHz (300Mbps*) - IEEE® 802.11 a/n/ac 5GHz (450Mbps*) • High-speed ADSL2+ modem built-in • WiFi Boost with high powered radio amplifiers • Four (4) 10/100/1000 Mbps Gigabit Ethernet ports • One (1) DSL port • One (1) USB 2.0 port	• AC1900 Simultaneous Dual Band WiFi - IEEE® 802.11 b/g/n 2.4GHz +256 QAM support (600Mbps*) - IEEE® 802.11 a/n/ac 5.0GHz (1300Mbps*) • High-speed VDSL2/ADSL2+ modem built-in • Memory: 128MB flash & 256MB RAM • Four (4) 10/100/1000 Mbps—(4 LAN) Gigabit Ethernet ports • Two (2) USB ports • One (1) VDSL/ADSL port	• AC2600 Simultaneous Dual Band WiFi - IEEE® 802.11 b/g/n 2.4GHz +256 QAM support (800Mbps*) - IEEE® 802.11 a/n/ac 5.0GHz (1733Mbps*) • High-speed VDSL2/ADSL2+ modem built-in • Five (5) 10/100/1000 Mbps—(1 WAN & 4 LAN) Gigabit Ethernet ports • One (1) eSATA port • Two (2) USB 3.0 ports • One (1) VDSL/ADSL port
	AC1200 Dual Band WiFi Router	AC1900 Smart WiFi Router	AC3200 Tri-Band WiFi Router
			
Code	R6120	R7000	R8000
Description	• AC1200 Simultaneous Dual Band WiFi - IEEE® 802.11 b/g/n 2.4 GHz (300Mbps) - IEEE® 802.11 a/n/ac 5.0 GHz (900Mbps) • Five (5) 10/100 (1 WAN and 4 LAN) Fast Ethernet ports • One (1) USB 2.0 port	• AC1900 Simultaneous Dual Band WiFi - IEEE® 802.11 b/g/n 2.4GHz + 256 QAM support (600Mbps) - IEEE® 802.11 a/n/ac 5.0GHz (1300Mbps) • Memory: 128MB flash & 256MB RAM • Five (5) 10/100/1000Mbps – 1 WAN & 4 LAN Gigabit Ethernet ports • Two (2) USB ports—1 USB 3.0 & 1 USB 2.0 port	• AC3200 Simultaneous Tri Band WiFi - IEEE® 802.11 b/g/n 2.4GHz-256QAM support (600Mbps) - IEEE® 802.11 a/n/ac 5.0 GHz (1300Mbps x 2) • Memory: 128MB Flash & 256MB RAM • Five (5) 10/100/1000 Mbps Gigabit Ethernet ports - 1 WAN & 4 LAN • Two (2) USB ports : 1 USB 3.0 & 1 USB 2.0 port

TV BRACKETS

	Ceiling Mount TV Bracket Vesa		TV Bracket Vesa	
				
Code	DF2655	DF3270	JSD-B27	JSD-B42
TV Size	26-55"	32-70"	14-42"	26-55"
Size & Weight	400 x 400mm 45kg	600 x 400mm 50kg	75 x 75 - 200 x 200mm 20kg	75 x 75 - 400 x 400mm 35kg
	Ceiling Mount Vesa	Articulated TV Bracket Vesa		
				
Code	JSD-B62	JSD-F201	JSD-F401	JSD-F602
TV Size	40-65"	14-42"	26-55"	32-70"
Size & Weight	200 x 200 - 600 x 400mm 45kg	200 x 200mm 45kg	400 x 400mm 50kg	600 x 400mm 50kg
	Tiltable TV Bracket Vesa			Decoder Shelf
				
Code	JSD-T27	JSD-T42	JSD-T62	SM-A
TV Size	14-42"	26-55"	40-65"	-
Size & Weight	75 x 75 - 200 x 200mm 20kg	75 x 75 - 400 x 400mm 40kg	200 x 200 - 600 x 400mm 45kg	300 x 220 x 51mm 10kg

DSTV ACCESSORIES

	Power Supply Units			TV Link
				
Code	M-EXPLOPS	M-2PPS	RMPS4137	M-TV LINK
Description	For DSTV Explora	For 2P Decoder	For 1131111321413614137	TV Link
	Remote Control Units		Smart LNB	Smart Switch
				
Code	M-B5RCU	M-MCADRC	LMX501	M-SW241Z
Description	DSD4136 B5	A4 (Beyond Platinum)	30 User Bands 1 x 3 Out	24 User Bands 4 x 4 Out

HDMI & VGA SWITCHES / CONVERTERS / EXTENDERS

	HDMI Switch	HDMI Switch	VGA Switch	VGA Matrix
				
Code	EKL-41HK-4	EKL-51H	EKL-414R	EKL-V404
Input	4 x HDMI Video, 4 x USB	5 x HDMI	4 x VGA	4 x VGA
Output	HDMI, USB	1 x HDMI	4 x VGA	4 x VGA
Resolution	1920 x 1440 or 1080P	1080P	VGA, SVGA, XGA, SXGA, WXGA	VGA, SVGA, XGA, SXGA, WXGA
Remote	Yes	Yes	Yes	Yes
Bandwidth	2.55GHz	25 - 255MHz	250MHz	600MHz
Comms	USB, Keyboard, Mouse	-	-	RS232
Power	9VDC	5VDC	9VDC	230VAC

Note: Signal Cables and Power Supplies not included with Units.

	HDMI Signal Splitter	HDMI to AV	USB Extender
			
Code	EKL-HS102	EKL-HAV	EKL-UE
Input	1 x HDMI	1 x HDMI	USB
Output	2 x HDMI	AV Composite, S-Video	USB
Resolution	1080P	480i/p / 720i/p / 1080i/p	Range 60m (Cat5E/6)
Bandwidth	25 - 225MHz	25 - 225MHz	-
Power	5 - 12VDC	5 - 12VDC	USB

Note: Signal Cables and Power Supplies not included with Units.

	S-Video/AV to HDMI	VGA to HDMI	VGA/YPbPr to HDMI	VGA Extender
				
Code	EKL-AVH	EKL-VH	EKL-VYH	EKL-VE200 EKL-VE300
Input	1xS-Video+1xAV Composite	1xVGA+2xPhono (audio)	1xVGA+1xYPbPr+Audio	200m 300m
Output	1 x HDMI	1 x HDMI	1 x HDMI	VGA, SVGA, XGA, SXGA, WXGA, UXGA
Resolution	1080P	1080P	1080P	Transmitted Video 150MHz
Power	5VDC	5VDC	5VDC	9VDC

Note: Signal Cables and Power Supplies not included with Units.

	HDMI Extender	HDMI Extender	HDMI Extender	HDMI to AV	VGA Cables
					Male/Male 
Code	EKL-HE60	EKL-HE150	WE50	EKL-VE100	VM2VM-1.5
Range	60m	150m	50m	100m	1.5m
Resolution	Max 1080P	Max 1080P	Max 1080P	VGA, SVGA, XGA, UXGA	VM2VM-5
Bandwidth	25 - 255MHz	25 - 255MHz	>2.25GHz	Transmitted Video 350MHz	5m
Remote	-	Infra-Red 38KHz	IR Pass Through	-	
Power	5 - 12VDC	5 - 12VDC	5VDC	5VDC	

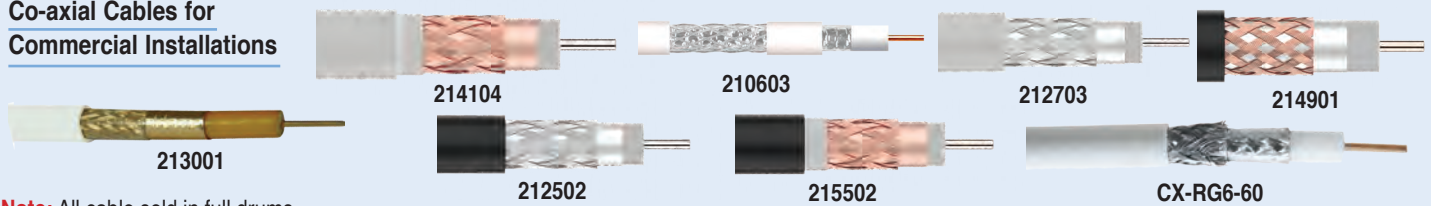
Note: Signal Cables and Power Supplies not included with Units.

DIY RETAIL BLISTER RANGE

	HDMI Cables						
	Blister 	Blister 	Blister 	Blister 			
Code	JC5001-*	JC5004-*	JC5007-*	JC5009-*			
Description	High Speed HDMI / HDMI with Mesh *Add length (m) to code: 1.5, 3, 15	HDMI / HDMI Rotating 360° *Add length (m) to code: 1.5, 3	HDMI Straight Plug to Plug 90° *Add length (m) to code: 1.5, 3	HDMI / HDMI High Speed *Add length (m) to code: 1.5, 3			
	HDMI Adaptors			Toslink Audio Lead			
	Blister 	Blister 	Blister 	Blister 			
Code	JC5046	JC5047	JC5052	JC11001-1.5			
Description	HDMI Female To Female 270°	Male to Male	Female to Micro Male	Optical Plug / Plug 1.5m			
	RCA Video Cable	RCA Audio/Video Cables					
	Blister 	Blister 	Blister 	Blister 			
Code	JC6001-*	JC6002-*	JC6003-*	JC6024-*			
Description	1 x RCA / 1 x RCA Gold Plated Contacts	3 x RCA / 3 x RCA	3 x RCA / 3 x RCA Gold Plated Contacts	3.5mm Jack to 3 x RCA			
	*Add length (m) to code: 1.5, 3						
	Audio Cables						
	Blister 	Blister 	Blister 	Blister 			
Code	JC6016-*	JC6030-*	JC6033-*	JC6034-*			
Description	3.5mm Plug to 2 x RCA	2 x RCA / 2 x RCA *Add length (m) to code: 1.5, 3, 5	3.5mm Audio Jack / Jack Gold Plated Contacts *Add length (m) to code: 1.5, 3	3.5mm Audio Jack to 2 x RCA Audio plugs, Gold Plated Contacts *Add length (m) to code: 1.5, 3			
	USB Cable	USB Extension	USB 2.0 Adaptor	Twin Speaker Cable			
	Blister 	Blister 	Blister 				
Code	JC8001-1.5	JC8013-1	JC8018	JC9009-*	JC9013-*		
Description	USB 3.0 Cable 1.5m	Male to Micro 1m	Male to Male	2 x 1.5mm	2 x 2.5mm		
	Add length (m) to code: 10, 20						
TV Leads 75Ω - IEC Connectors			IEC TV Extension	IEC to F-Type Cable	F Type Cable		
Length	Code Male to Male	Code Male to Female	Code Female to Female				
3m	TVC8071MM-3M	TVC8071MF-3M	TVC8071FF-3M		TV5154	JC2006-*	JC2024-1.5
5m	TVC8071MM-5M	TVC8071MF-5M	TVC8071FF-5M		1 Socket out 10m Length on Reel	Male / F-Type Male *Add length (m) to code: 1.5, 3	Male / Male 1.5m
10m	TVC8071MM-10M	TVC8071MF-10M	TVC8071FF-10M				

75Ω COAXIAL CABLES

Co-axial Cables for Commercial Installations



Note: All cable sold in full drums

Drum Code	Type	Inner Conductor Ø	Inner Conductor Material	Outer Sheath Ø	Outer Sheath Material	Colour	Petro Jelly Injected	Reel Size	Attenuation Max. @ 1750Mhz/100m
CX-RG6-60	RG6U	1.02mm	CCS/AL	6.9mm	PVC	White	Yes	100m	0,27dBuV
CX-RG6 50M	RG6U	1.02mm	CCS/AL	6.9mm	PVC	White	Yes	100m	0,27dBuV
CX-RG6-60-DUAL	RG6U	1.02mm	CCS/AL	6.9mm	PVC	White	Yes	250m	0,27dBuV
212703	RG6U	1.13mm	CCS/AL	6.7mm	PVC	White	No	250m	0,32dBuV
210603	MICRO	0.80mm	CU/TLLAM	5mm	PVC	White	No	100m	0,34dBuV
214104	RG6U	1.13mm	CU/CU	6.6mm	PVC	White	No	250m	0,25dBuV
212502	RG6U	1.13mm	CU/AL	6.6mm	PE	Black	No	250m	0,25dBuV
215502	RG6U	1.13mm	CU/CU	6.6mm	PE	Black	No	250m	0,25dBuV
214901	RG11U	1.63mm	CU/CU	10.1mm	PE	Black	Yes	250m	0,18dBuV

Dual Domestic Coaxial Cable

Shrink wrapped cut lengths



Code	JC1001B-*
RG6U Twin White (PVC) *Add length (m) to code: 20, 30, 50	

CABELCON CONNECTORS

	Coaxial Cable Compression Connectors				Self-Install Connector
Code	F-59-CX3-HP-3.7	F-56-CX3-7.0-QM	F-SC-59-CX3-5.1	FM-RG11-CX3-7.5	F-56-5.1-SI
Description	F-Type Compression Connectors for Micro Ø5mm Coax Cable	Quick mount F-Type compression connector for RG6U coax cable	Spring connect F-type compression connector for RG6U coax cable	F-Type Compression Connectors for RG11U Coax Cable	Self install F-Type connector for RG6U coax cable. No Compression tool required
	IEC Compression Connectors		Connector	Grounding Block	Spanner/Cable Stripper
Code	99909486	99909496	F-81-HQ-M/M	F-81-DGB	98501040
Description	Male IEC compression connector for RG6U coax cable	Female IEC compression connector for RG6U coax cable	F-Type Barrel Connector	Dual Earth Grounding Block F-Type	W/HEX 11mm Spanner with Cable Stripper for use with Cabelcon Connectors

CO-AXIAL CABLE STRIPPERS



STRIP-1F-PLUS



One working operation. Connector specific inserts.



Gripping jaws for easy cable insertion.



Integrated wrench for easy mounting of connectors.

Single Step Co-axial Cable Stripper

Code	STRIP-1F-PLUS
Description	Double cut cable stripper for RG58, RG59 and RG6 cables. c/w Red insert for F-Connectors

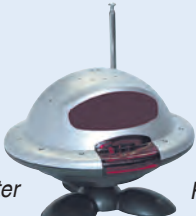
Accessories

Code	Description
STRIP-1F-S	Red insert, 6/4mm for screw on connectors
STRIP-1F-C	Yellow insert, 6.5/6.5mm for compression connectors

GENERAL ACCESSORIES

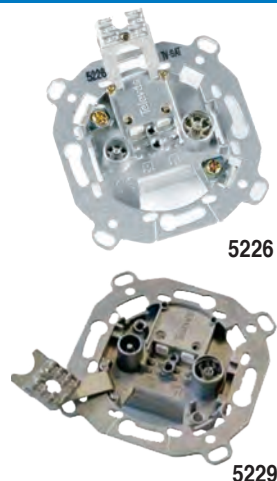
	F Connector	90° Elbow IEC Connector		90° PRO Easy Elbow IEC Connector
Televes	 Blister			
Code	4306	4130	4131	413301
Description	With Weatherproof Boot	IEC Ø9.5mm Male	IEC Ø9.5mm Female	IEC Ø9.5mm Female
Retail Pack - 90° Elbow IEC Connectors				Terminal Load
Televes	 Blister	 Blister	 Blister	
Code	437401	437501	437601	4058
Description	1 x Male for Coaxial Cable	1 x Female for Coaxial Cable	1 x Pair Male/Female for Coaxial Cable	F-Type 75Ω without DC Block, Screw on
DC Block		Connector Threaded	Twisted Connector	RG11 Connector
Televes				
Code	4071	4171	4127	9349
Description	F-Type Screw on	F-Type with O-Ring for RG6U Cable, Screw on	F-Type with O-Ring for Micro Cable, Screw on	F-Type for RG11 Cable Screw on

DOMESTIC ACCESSORIES

IEC Ø9.5mm Coaxial TV Plug - 2 per Blister Pack					Coaxial Adaptors IEC Ø9.5mm			F-Type Connector			
											
Plastic Plastic Metal Metal					2 per Blister Pack			2 per Blister Pack			
					Twist-On Type						
Code	TVA5001	TVA5002	TVA5003	TVA5004	TVA0085	TVA0086	TVA0087	TVA0008	TVA59551		
Type	Male Plug	Female Plug	Male Plug	Female Plug	Male to Female	Male to Male	Female to Female	For RG59/6 Coaxial Cable	F Jack to F Jack		
IEC Ø9.5mm Splitters		Coaxial In-line Connector			IEC Ø9.5mm Jack Boxes		IEC Ø9.5mm 2 Way TV Splitter		TV Splitter for 75Ω Coax		
											
2 per Blister Pack											
Code	TVA5065	TVA5066	TVA5057	TVA5058	TVA5080	TVA5081	TVA58553	TVA58554	TVA5012	TVA5014	
Type	Male to 2 x Female	Female to 2 x Male	Clamp	Screw	Female	2 x Female	Female to 2 x Male	Male to 2 x Female	2 Way Splitter	4 Way Splitter	
											
Transmitter					Receiver						
					Infra Red Remote Extender						
					Code					MT-EA01	
					Extend the range of your remote control to another room						
					• Telescopic antenna						
					• Frequency band 2.4GHz						
					• Range: 85m in line of sight						

OUTLETS

RF Outlets for 3 x 3 Boxes



Code	Tap Losses (dB)									
	Band	Return	FM	VHF	UHF	IF SAT		MATV	SAT	DC Pass
	MHz	5 - 65	87.5-108	125-470	470-862	950-2150	2150-2400	—	—	(350mA)
524605	TV	< 8dB	4.5dB			> 9dB		—	—	—
	FM	< 8dB	4.5dB			> 9dB		—	—	—
	SAT	< 8dB	4dB> 6dB			5dB 1.5dB		—	—	SAT to In
5229	TV/FM	4dB				5dB	—	—	—	Out to In
	SAT	8.5dB				9dB	—	—	—	Out to In
5228	TV/FM	7.5dB				10dB	—	3.5dB	5dB	In to Out
	SAT	13dB				13.5dB	—	3.5dB	5dB	Out to In
5227	TV/FM	13dB				14dB	—	1.2dB	2dB	In to Out
	SAT	20dB					—	1.2dB	2dB	Out to In

TELEVISION ACCESSORIES

Audio/Video Transmitters/Receivers		Current Injector	Outlet Face Plates (3 x 3)	
Code	7167	7450	544302	5442
Description	5.8GHz 8 Channel with IR Feedback	Max. Input: 24VDC/1A 10 - 2150MHz Return Losses ≥ 10dB	Face plate for TV-R-SAT outlet	Back box for surface mount outlet
Indicator		Patch Cable	Coaxial Cable	LNB
Code	7301	422601	4389	4332
Description	Satellite Signal Strength Indicator	T.OX-T12/T05/T03/ or T12/T05/T03-T.OX	1.5m White Male - Female	Twin H / V - H / V HD Compatible
				4365
				Universal H / V HD Compatible

ACCESS POINTS

Wireless Access Points

- Secure SSH • Secure Socket Layer (SSL)
- Repeater
- Bridge point-to-point/multi-point
- Simultaneous bridge & wireless client association
- Separate bridge and access point

Code	Insight Managed Smart Cloud	ProSAFE® Business 2 x 2 Dual Band
	WAC505	WAC720
Frequency	2.4GHz and 5GHz	2.4GHz and 5GHz
Wireless Mode (Transmit x Receive)	802.11ac (2x2)	802.11ac (2x2)
Maximum Theoretical Throughput	1.2Gbps	1.2Gbps
Maximum Throughput (2.4/5GHz)	300/867Mbps (2.4/5GHz)	300/867Mbps (2.4/5GHz)
Power over Ethernet (PoE) IEEE 802.3af	Yes	Yes
Centralized Management	Insight App, Standalone	Quad Mode Management*
SNMP	v1, v2c	v1, v2c
Router Mode	No	No
Antenna	Internal 3/4dBi (2.4/5GHz)	Internal 5/6dBi (2.4/5GHz)*

* (Standalone, Ensemble™, Controller, and Business Central)

* Three (3) External reverse SMA connectors for 2.4/5GHz antennas

TELEVISION ACCESSORIES

LNB Down Converters

					
Code	747701	747802	761001	2353	235310
Type	Quattro	Twin	Quad	Optical (x32)	Optical (x64)
Input Bandwidth	10.7 - 12.76GHz	10.7 - 12.77GHz	10.7 - 12.78GHz	10.7 - 12.80GHz	10.7 - 12.80GHz
Output Bandwidth	950 - 1950MHz Low Band / 1100 - 2150MHz High Band			950 - 5450	950 - 5450
Wave Length	—	—	—	1310nm	1310nm
Feed Type	Offset	Offset	Offset	Prime Focus	Prime Focus
Gain	57dB	57dB	58dB	72dB	72dB
Noise	0.3dB	0.3dB	0.3dB	—	—
Local Oscillator	9.75GHz (0KHz - Low Band / 10.6GHz (22KHz - High Band)			9.75GHz Vert / 7.3GHz Hor	
Connector	F Type	F Type	F Type	FC/PC	FC/PC
Power Supply	12 - 20VDC	12 - 20VDC	12 - 20VDC	12VDC	10-20VDC
Max Consumed	190mA	170mA	180mA	<250mA	<160mA

TV Antennas

	DIY 	DIY 	DIY 		
Code	1201	1083	Code	149901	149501
Band	FM	UHF	BOSStech switch	Off / On	On
Gain	1dB	14dB	Power	0 / 12-24VDC	12 - 24VDC
F/B ratio	0dB	20dB	Channels	21 - 60 (470-790MHz)	21 - 69 (470-862MHz)
Length	500mm	805 x 560mm	Gain	17dB	29dB
Wind Speed	130Km/h	130Km/h	Output level	Auto	Auto
			Noise	2dB	2dB
			Beam Width	30°	30°
			Length	1112mm	1112mm
			Wind speed	130Km/h	120Km/h

Satellite Dishes

		
Code	790240	790241
Features	Colour Size (W x H) Gain Frequency Beam Width (-3dB) F / D Ratio Elevation Angle Weight Wind Load (130Km/h)(N)	Orange 750 x 850mm 38.5dB 10.7 - 12.75GHz 2.3° 0.6 10 - 80° 11kg 719.4130(Km/h)(N)

Plug-In Attenuator

	
Male F connector Chassis made from Zamak	
Code	4005
Frequency	5 - 2200MHz
Attenuation	0 - 20dB
Connectors	F-Male
Size (W x H x D)	63 x 33 x 22mm

TELEVISION ACCESSORIES

DIY

Blister



Breakthrough technology "USOS" (User Selectable Output Signal) for a range of amplifiers with outstanding design with very low noise figure.

- Ch60/Ch69 switch to activate LTE filter
- On/Off switch to activate DC bypass

Amplifier / PSU

Code	4388			
Features	3 In / 1Out + PSU (Blister Pack)			
Input	UHF / BIII		BI / FM	
Frequency	470-862MHz	174-254MHz	47-108MHz	950-2150MHz
Gain	0 - 15dB	0 - 12dB	—	—
Noise	1.5dB	1.5dB	—	—
Max Amp Thro I/P	40mA	40mA	—	300mA
Power Supply	12 - 24VDC			
Power Consumption	45mA			
IP Rating	IP20			
PSU Supply / Output	196 - 264VAC / 12VDC			
Size (W x H x D)	Amp: 88 x 79 x 42mm / PSU: 88 x 65 x 26mm			

Domestic Amplifiers

DIY

Wide range of domestic amplifiers for MATV applications, featuring high output level and low power consumption.



Blister

- Low noise
- Adjustable gain
- Up to 5 outputs

Line Amplifier

Amplifier supply is fed through the coaxial cable from the receiver or using a power injector.



Code	5522	5523	Code	7485
Features	1In/2 Out+TV	1In/4 Out+TV	Features	Line Amplifier
Frequency	47 - 862MHz		Input	MATV
Gain Outputs	20dB	16dB	Output	MATV+SAT
TV Output	12dB	11dB	Frequency	47 - 862MHz
Gain Adjustment	12dB	12dB	No. Of Inputs	1
Noise	5dB	5dB	Gain	-2.5dB
Power on Inputs	—	—	Output Level	112.5dB μ V
Max Through Current	—	—	Consumption	60mA
Power Consumption	2W		DC Bypass	500 (SAL~ENT)
Mains Voltage	230VAC		Size (WxHxD)	100 x 65 x 27mm
IP Rating	IP20			
Size (W x H x D)	145 x 45 x 35mm			

Amplifiers

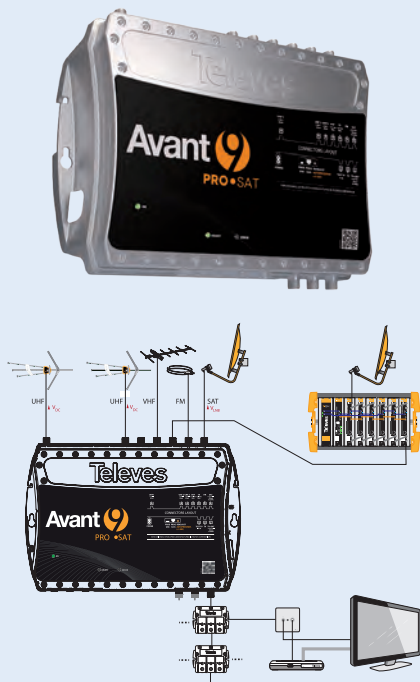
Code	5338	533501			
Features	MATV 1In / 1Out	SMATV 1In / 1 Out / Return Path			
Input	MATV	(5 - 30MHz) / MATV / SAT			
Output/	MATV	Forward		Return	
Transmission Path		Passive	Active	MATV	IF SAT
Frequency	47 - 862MHz	5 - 60MHz	5 - 65MHz	47-862MHz	950 - 2150MHz
Gain Hi / Lo	41 / 53dB	-4dB	20dB	40 - 53dB	42dB
Gain Adjustment	0 - 18	—	0 - 20dB	0 - 18dB	—
I/P Equaliser	0 - 18dB	—	—	0 - 18dB	0 - 12dB
Noise	10dB	—	10dB	10dB	13dB
Power On I/P	9VDC	—	—	—	—
Max Amp On I/P	700mA	—	—	—	—
Power Consumption	11W	11W			
Mains Voltage	196 - 264VAC	196 - 264VAC			
IP Rating	IP20	IP20			
Size (W x H x D)	264 x 142 x 50mm	264 x 142 x 50mm			



High performance amplifiers, offering functionality and power, designed to have direct access to all configuration parameters of the equipment

- Push-Pull and Power-Doubling technology amplifiers
- Gain switch High / Low
- High efficiency power supply
- Optimised for reduced noise levels
- Up to 129dB μ V in VHF / UHF band
- LED signaling RF presence
- Configurable with 2 outputs

R.F. AMPLIFIERS



Avant9 Pro IP20 - (FM-VHF-MATV-UHF-UHF-UHF)

Code	532021				
Description	Programmable Headend Amplifier				
Type	6 In / 1 Out				
Inputs	UHF1, 2, 3	BIII / DAB	VHF/UHF	FM	FI SAT
Frequency	470-790MHz	174-260MHz	120-862MHz	87-108MHz	50-2150MHz
Gain	51dB	45dB	36 / 37dB	30dB	45dB
No. of Channels	0-7	—	—	—	—
Slope Adjustment	0 - 5dB	—	—	—	0 - 15dB
Optimal Input Level	60-105dBμV	63-88dBμV	72/74dBμV	71-96dBμV	65-95dBμV
Gain Regulation	0 - 20dB	0-25dB / Off	—	0-25dB / Off	0-30dB
Manual Regulation	±5dB	±5dB	—	±5dB	—
Output Level	118dBμV	118dBμV	118dBμV	118dBμV	—
Noise	10dB	10dB	—	10dB	9dB
Rejection	>30 (±16MHz)	>20 (470MHz)	—	>20 (±20MHz)	>40 (87-862MHz)
Power on Inputs	12VDC	—	—	—	13/17(22/0kHz)
Max Current Input	50mA (Auto)	—	—	—	400(remote) / 200(local)
Maximum Power	18,3W (ref.532031) / 11,4W (ref.532021) / 17,4W (ref.532011) / 10,4W (ref.532001)				
Max. Operating Temp.	45°C				
Test Output	-20dB				
Power Supply	196 - 264VAC / 50 - 60Hz				
Size (W x H x D)	273 x 203 x 57mm				
Weight	1620kg				



T12 Series Channel Amplifier

Code	508612 25	508612 35	508612 45	508612 55
Preset Channel	25	35	45	55
Can be Retuned	21-24/26-30	31-34/36-40	41-44/46-50	51-54/56-60
Frequency	470 - 865MHz			
Bandwidth	8MHz			
Gain	50dB			
Adjustable Gain	30dB			
Equalisation	—			
Vout A	125 - 111dBμV			
Vout D	118 - 111dBμV			
I Max	100mA			
Supply	24VDC			
Amplitude Clipper	3dB			

Highly reliable high performance channel amplifiers with improved screening efficiency.

- Line power switch allowing the powering of pre-amplifiers
- Gain Adjustment
- All accessories included (RF Links, Power leads etc)
- Compatible with previous versions
- Amplifiers are set to centre preset channel but can be retuned as indicated.



T12 Series Power Supply

Code	549812
Mains Voltage	195 - 264VAC
Output Voltage	24VDC
Max O/P Amps	2.5A
Max O/P Watts	60W
Consumption Watts	70W
IP Rating	IP20
Size (W x H x D)	70 x 198 x 92mm

- Switch Mode power supply for T12 series devices
- Up to 24 amplifiers can be powered by a single unit.



T12 Series Accessories

Code	Description
5301	Subrack 5U high for 19" rack applications
507202	Lockable cabinet 498mm (PSU +10 x T12) Size (wxhxd) 610 x 295 x 235mm DIN rail mounting
T5069	Lockable cabinet 648mm (PSU +14 x T12) Size (wxhxd) 760 x 295 x 235mm DIN rail mounting
5673	Blanking Plate T.OX Size: 50mm x 5U

RF AMPLIFIERS

Outdoor Amplifier & Power supply



Code	4513		Code	5456
Features	CATV		Features	Outdoor Power Supply
Transmission Path	Return	Forward	Frequency	5 - 862MHz
Frequency	5 - 65MHz	87.5 - 862MHz	Output Volts	57VAC
Gain Hi / Lo	12dB	36dB	Max Current	5A
Gain Adjustment	0 - 20dB	0 - 20dB	Power Consumption	375W
I/P Equaliser	—	0 - 20dB	IP Rating	IP67
Noise	—	8dB	Mains Voltage	195 - 264VAC
Power Supply	40 - 60VAC		Size (W x H x D)	278 x 207 x 100mm
Max Through Current	5A		Amplifier for outdoor CATV applications.	
Power Consumption	15W		The devices have to be powered through the co-axial line	
Mains Voltage	—		• Weatherproof aluminium housing	
IP Rating	IP67		• Line powered input / output	
Size (W x H x D)	278 x 207 x 100mm		• Pre-emphasis, attenuation, gain in forward and return path	
			• 5/8 Connectors	

RF SPLITTERS & TAPS

Splitters (5 - 1000MHz Indoor)



Splitters (5 - 2400MHz Indoor)



Splitters - (5 - 2400MHz Indoor) DC 1 Amp 2 Way Pass



Code	No. Of Outputs	Loss (dB) I/P to O/P	Rejection Between Outputs	Code	No. Of Outputs	Loss (dB) I/P to O/P		Rejection Between Outputs	Code	No. Of Outputs	Loss (dB) I/P to O/P		Rejection Between Outputs
						MATV	IF SAT						
4532	3	6	> 30	5150	2	4	5	> 20	5155	2	4	5	> 20
4534	6	10	> 28	5151	3	7	9	> 20	5156	4	7.5	10	> 20
4533	8	11	> 28	5152	4	7.5	10	> 20					
				7441	6	12	16	> 17					

SCATV Taps with F Connector (5 - 1000MHz Indoor)



Code	No. Of Outputs	Loss (dB) I/P to O/P	Tap Loss (dB) I/P to O/P	Code	No. Of Outputs	Loss (dB) I/P to O/P	Tap Loss (dB) I/P to O/P
4515	1	≤ 2.6	6	4573	4	≤ 2.5	14
4516	1	≤ 2.4	8	4574	4	≤ 2	17
4517	1	≤ 1.5	11	4575	4	≤ 1	20
4518	1	≤ 1.5	14	4576	4	≤ 0.5	23
4519	1	≤ 1.3	17	4578	8	—	12
4560	2	—	≤ 4.5	4579	8	—	14
4563	2	≤ 2	14	4580	8	≤ 3.5	17
4564	2	≤ 1.5	17	4581	8	≤ 2	20
4565	2	≤ 1	20				
4566	2	≤ 1	23				

SMATV Taps with F Connector (5 - 2400MHz Indoor)



Code	No. Of Outputs	Loss (dB) I/P to O/P		Tap Loss (dB) I/P to O/P		Rejection (dB) Tap to Tap MATV/IF
		MATV	IF SAT	MATV	IF SAT	
5130	2	2.5	2.6	12	12	> 30
5131	2	1.2	2	15	15	> 30
5132	2	1.5	1.5	18	19	> 30
5133	2	1	1.5	23	23	> 30
514110	4	4.5	5	12	12	> 25
5142	4	2.3	3.4	16	16	> 25
5143	4	1.5	2.5	19	20	> 20
5144	4	1	2	24	24	> 20
5135	6	3.3	5	18	18	> 20
5136	6	2	4	20	20	> 20
5137	6	1.5	2.5	24	24	> 20

SAT/RF SWITCHES



Code	732190
Supply Volts	196 - 264VAC
Output Volts	12VDC
Max Amps	1.6A
Weight	400g
Size (W x H x D)	140 x 383 x 30mm
IP Rating	IP20

Code		714503	714504	714505	714506	714509
Type		5 x 5 x 8	5 x 5 x 12	5 x 5 x 16	5 x 5 x 24	5 x 5
Frequency	SAT	950-2400MHz	950-2400MHz	950-2400MHz	950-2400MHz	950-2400MHz
	RF	47 - 862MHz	47 - 862MHz	47 - 862MHz	47 - 862MHz	47 - 862MHz
Output Level	SAT	105dBμV	105dBμV	105dBμV	105dBμV	110dBμV
	RF	92dBμV	92dBμV	92dBμV	95dBμV	110dBμV
Through Losses	SAT	1.5 - 4dB	3 - 8dB	3 - 8dB	10 ± 5dB	—
	RF	2dB	4dB	4dB	7 ± 3dB	—
Gain	SAT	—	—	—	—	25dB
	RF	—	—	—	—	27dB
	Regulation	—	—	—	—	10dB
	Slope	—	—	—	—	0 - 7dB
Tap Losses	SAT	1 / - / - / - dB	1 / 2 / - / - dB	1 / 2 / - / - dB	7dB	—

SAT/RF MULTISWITCHES



Code		714901	714902	714903	714904	714905
Type		5 x 5 x 5	5 x 5 x 5	5 x 5 x 5	5 x 5 x 5	5 x 5
Frequency	SAT	950 - 2400MHz	950 - 2400MHz	950 - 2400MHz	950 - 2400MHz	950 - 2400MHz
	RF	47 - 862MHz	47 - 862MHz	47 - 862MHz	47 - 862MHz	47 - 862MHz
Through Losses	SAT	1.5± 0.5dB	1.5± 0.5dB	1.5± 0.5dB	1.5± 0.5dB	4 ± 1dB
	RF	1.5± 0.5dB	1.5± 0.5dB	1.5± 0.5dB	1.5± 0.5dB	4 ± 1dB
Tap Losses	SAT	15 + 3dB	17 + 3dB	21 + 3dB	26 + 3dB	—
1-8/9-16/17-24/25-32	RF	12 ± 1dB	15 ± 1dB	20 ± 1dB	25 ± 1dB	—
Isolation		> 25				
DC Pass		In-Out / Out-In				
Consumption	PSU	40mA	40mA	40mA	85mA	105mA
	SAT	40mA	40mA	40mA	40mA	40mA
Weight	STB	365g	400g	400g	765g	800g
Size (W x H x D)		137 x 120 x 30mm			137 x 253 x 30mm	
IP Rating		IP20				

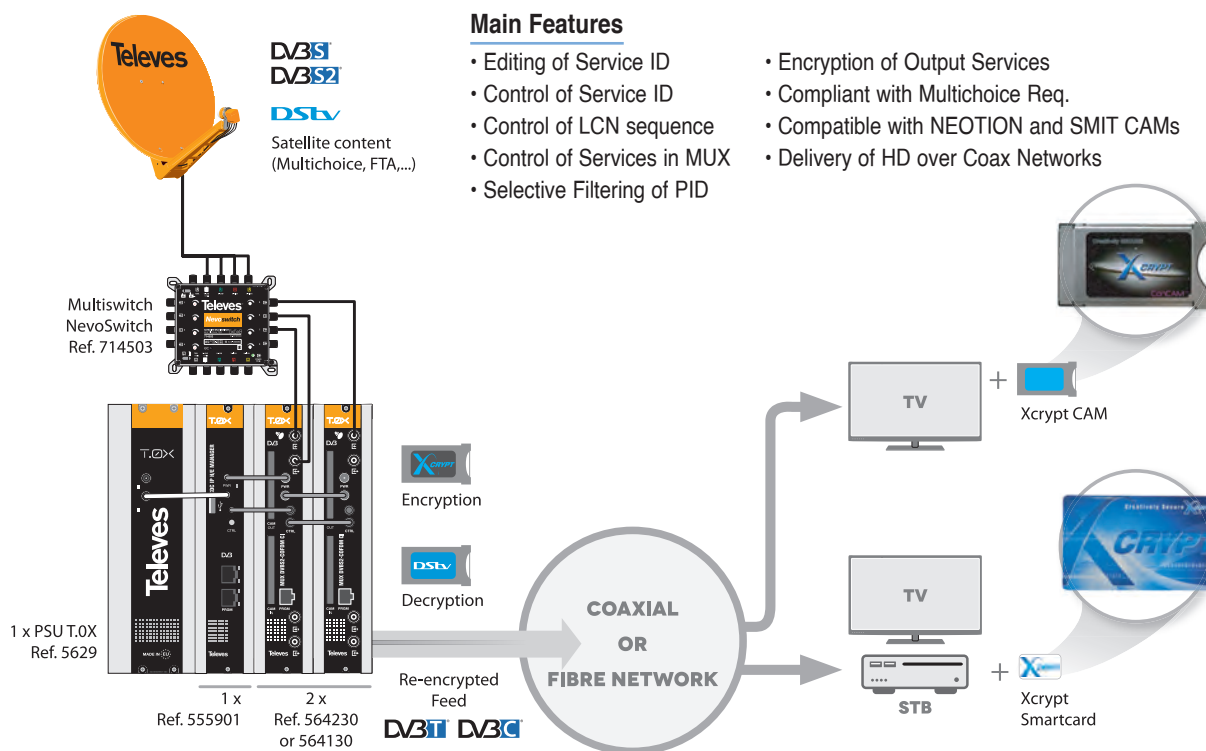
NEVOSWITCH dCSS SATELLITE MULTISWITCH



Technical Specifications

Code	714121	714122
SAT IN		
Frequency Range	950-2150MHz	
Input Level	70-100dBμV	
Through losses	2dB	
Cross-polarity Isolation	>30	
DTT IN		
Frequency range	47-862MHz	
Input level	65-110dBμV (active: 70-95dBμV)	
Terr. trunk power	10-20V / 500mA	
Through losses	<2.5dB	
dCSS OUT		
No. of dCSS user outputs	2	4
Output modes	SCR I/II, Legacy	
dCSS channel bandwidth	46	
dCSS user bands	2 x 16	
dCSS standard	EN50494, EN50607, Sky UK	
Output level	84 ± 2dBμV	

COMMERCIAL & HOSPITALITY NETWORKS



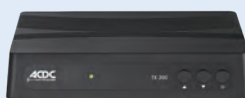
SMATV TRANSMODULATORS TOX RANGE



Code	563301	564201	564230
Xcrypt Encryption	No	No	Yes
No. Input Tuners	1	3	3
No. CI Slots	1	1	2
Output Modulation	DVB-T	DVB-T	DVB-T
No Services / Module	5 Max	5 Max	5 Max
Modulation DVB-S2	QPSK / 8PSK		
Modulation DVB-S	QPSK		
Symbol Rate DVB-S2	10 - 30MBAud		
Symbol Rate DVB-S	2 - 42.5MBAud		
Impedance	75 Ohm		
LNB Powering	13/17/OFF - 22khz (on/off) VDC		
CI CAMs Included	No		
In/Out Connectors	F- Type		

Note: For Mounting Frame order **5301** and Power Supply **5629**

XCRYPT RE-ENCRIPTION CAMS & STB

					
Code	XCONCAM-ADV	XCARD-ADV	XPROSTB-URC-T	XPROSTB-T	XSVRCAM-ADV
Description	Xcrypt Consumer CAM, Advanced Security	Xcrypt Consumer Smart Cards for XCONCAM and XPROSTB-URC-T (V2)	Xcrypt STB with DVB-C and DVB-T, Univ Remote, HDMI Cable, Advanced Security	Xcrypt STB with DVB-C and DVB-T, Advanced Security (incl. Smart Card) (V1)	Xcrypt Server CAM, Incl. Headend CAS Smart Card, Advanced Security

HEADEND T0X RANGE



Power Supply T0X

Code	5629
Mains Voltage	196 - 264VAC
Frequency	50/60Hz
Consumption	140W
IP Rating	IP20
Size (W x H x D)	75 x 216 x 175mm
Output Voltage	24VDC
Max Current	120W
Max Current/ Output	5A
Max Power	4A
Efficiency	> 85%

High power switched mode power supply. Flyback high efficiency type.

- 2 Outputs with LED indication of output voltage status
- Short circuit and Overload protected • Output voltage variation protection
- VDC Outputs • Status LED's • Mains socket (196 - 264VAC)



RF Headend Amplifier T0X

Code	5575
Frequency Range	47 - 862Mhz
Noise	11dB
Impedance	75 Ohm
Supply	24VDC
Consumption	450mA
IP Rating	IP20
Size	50 x 216 x 175mm
Output Level	120dBuV
Gain regulation	0 - 20dB
Return Losses	8dB
42CH Genelec	105dBuV

- High power amplifier for signals processed in a T.OX headend
- Low distortion of second and third order allowing high output voltage (typical values of 120dBuV)
- Test output • Power BUS • Gain Regulation • RF Input / Output



Twin Encoder IP / HDMI / AV to IP / COFDM 1 MUX T0X

Code	563852
Frequency Range	47 - 862Mhz
Max Output Level	115dBuV
Output Type	QAM/COFDM/IP
IP Input	2 Ports RJ45 Switch
HDMI (Video & Audio)	2 Ports
Video	2 x 3 RCA
Powering	24VDC
Consumption	20.4W
IP Rating	IP20

Device with two operation modes:
as an AV - IP / RF Encoder converting A/V signals into an IP stream and multiple RF signals (DVB-T or DVB-C), or as an AV/IP - RF Encoder converting A/V signals and IP streaming services into one multiple RF channel (DVB-T or DVB-C).



Optical Amplifier (1550nm) - 1 Output

Code	234220
Input Power	-3 to 10dBm
Input Connector	SC / APC
Output Power	20 ± 0.8dBm
Output Connector	SC / APC
Wavelength	1550nm
Powering	24VDC
Consumption	410mA (max)
IP Rating	IP20
Size (W x H x D)	75 x 216 x 175mm

Optical amplifier (EDFA) intended for use with the signal from an optical transmitter with a wavelength of 1550nm



Optical Receiver

Code	2335
Wavelength	1200 - 1600nm
Detected Bandwidth	1 - 3000MHz
Optical Power RX'ed	4 / 6dB
Optical Connector	SC / APC
Frequency Range	≥ 11MHz
Max O/P Level MATV	93/33 dBuV/dBmV
Max O/P Level SAT IF	90/30 dBuV/dBmV
Regulation Margin	0 - 18dB
Power Supply	12 - 24VDC
IP Rating	IP20
Size (W x H x D)	50 x 216 x 175mm

Receivers that deliver the original RF signal that has previously been converted by a fibre optic transmitter.

OPTICAL CONVERTERS & ENCLOSURES

Optical Converter

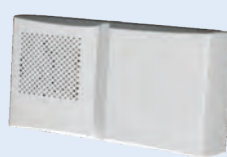


Code	237003
Description	Quattro Type

FTTH Enclosures



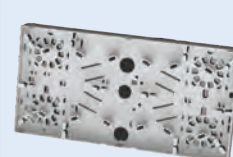
Code	060-233
Description	Optical Enclosure for Quad GTU



Code	060-244C-QUAD
Description	Optical Enclosure Cover for Quad GTU

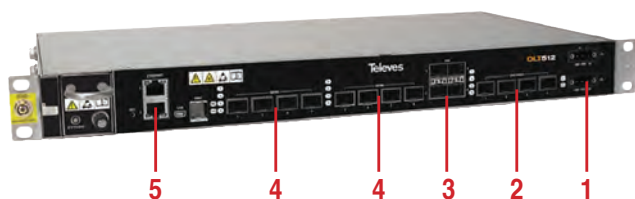


Code	060-245C-DCSS
Description	Optical Enclosure Cover for DCSS GTU



Code	060-246-BASE
Description	Optical Enclosure Base, Unit for ONT + GTU

GPON HEADENDS



Connections

1. -48VDC Power
2. 4 x 1/10 Gbe uplink port
3. 4 x 1Gbe uplink port
4. 8 x GPON ports
5. 2 x ETH management interface



769411
SFP Gbe

OLT512 Optical Line Terminal

Code	769401
Downstream / Upstream bit rate	2,488 / 1,244
AES Encryption	
ONT per PON (512 subscribers)	>64
Logical Range	60km
Maximum Differential Distance	20km
GPON redundancy	Type B
General	
Temperature conditions	5 to 45°C
Relative Humidity Range	95%
Power supply	-40.5 to -57.0VDC
Dimensions (WxHxD)	483 x 44,45 x 248mm

High Power Optical Amplifier (EDFA) 1U 1550nm 8 Way

Code	769610
No of Ports	1 RF Overlay @ Optical IN, 8 GPON @ RF Overlay DATA, 8 (GPON + RF Overlay) @ Optical
Operating Wave Length	1310+_20 @ Upstream, 1490 +_ 20 @ Downstream, 1548...1565 @ RF Overlay
Input RF Overlay	(- 10 ... +10)
Output RF Overlay	20 @ 1550nm
Uniformity	0,5
Noise Figure	5(pin= 0dB @ 1550nm)
Insertion Loss	Greater 1
Optical Connector	SC/APC
Return Loss	Less 40

This device consists of an amplifier, a WDM, and a double power supply. Designed to mix the RF Overlay service with GPON and simultaneously power the OLT.

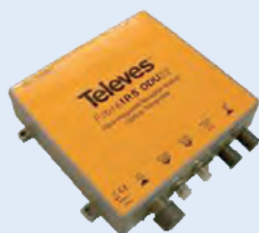
The optical amplifier amplifies a 1550 nm optical signal, with an output power of 20 dBm. Based on YEDFA (Erbium and ytterbium doped fiber) technology, it provides a high gain, a higher optical power, and a low noise factor.

OPTICAL HEADENDS

Optical Fibre / RF Converter (Satellite+Terrestrial)

The kit consists of:

- 1 x LNB offset
- 1 x ODU32 RF to Optical signal converter
- 1 x AC/DC power adapter
- 1 x 2m Low loss cable 50Ω / N connectors
- 1 x Protective sleeve for the connector
- 1 x Mast support for the ODU32



Sections	Code	236801 (1310nm) / 236810 (1550nm)					
Optical	Wavelength	1310/1550nm		SAT	Input Frequency	Vertical /	950-3000/3400-5450MHz
	Optical Power per O/P Connector	6 - 8dBm			Impedance	Horizontal	50Ω
DAB / DVB-T	Input Frequency	DAB / DVB-T	217-230/470-862MHz		Input Level	96-111dBμV	
	Impedance	75Ω			In-band Gain Flatness	4dB	
	Input Levels	1 Channel	70-95dBμV			Vertical	7dB (3dB slope)
	(DAB must be 15dB below DTT)	4 Channel	90dBμV		Gain Flatness	Horizontal	1dB
		8 Channel	85dBμV		AGC Range Min	per 30MHz	15dB
	Gain	15-45dB			Noise @ Max Gain	segment	12dB
	DTT Flatness	In-band	4dB		OIP3(min)	129dBμV	
		In-channel	0.5dB		Rejection 217-862MHz	20dB	
	AGC Range	25dB		Mechanical	Connectors	FC/PC	
	Noise	10dB					N female
Supply	OIP3	134dBμV				Optical O/P	F female
	Rejection (950-2150MHz)	20dB				Satellite I/P	F female
	Powering Voltage	12VDC			Weight	DVB-T/DAB I/P	545g
	LNB power Voltage	6.2VDC		Size (W x H x D)	Power I/P	168 x 160 x 30	
	Consumption (includes LNB)	500mA					

OPTICAL ACCESSORIES


ABS4WFO

PLC8WFO

Optical Splitters (ABS Range) - Connector Type: FC/PC

Code	ABS2WFO	ABS3WFO	ABS4WFO	ABS8WFO	ABS16WFO
Type	1x2	1x3	1x4	1x8	x16
No. of Outputs	2	3	4	8	16
Typical Loss	3.6dB	7.0dB	10.2dB	13.3dB	16.5dB

Optical Splitters (PLC Range) - Connector Type: FC/PC

Code	PLC8WFO	PLC16WFO	PLC32WFO	-	-
Type	1x8	1x16	1x32	-	-
No. of Outputs	8	16	32	-	-
Typical Loss	10.2dB	13.5dB	17.4dB	-	-

ONT For GPON Solutions


769507

Code	769507
Type	Basic
RF Overlay	☐
Wi-Fi (802.11 b/g/n) (2x2) 2.4	☐
Wi-Fi (802.11 b/g/n/ac) (2x2) 2.4/5	☐
USB	☐
FXS ports	☐
ETH 10/100/1000BASE-T ports	1
NAT/NAPT	☐
Firewall	☐
VPN pass-through	☐
PPPoE terminal	☐
OMCI	☐
TR-069	☐
CLI	☐
WebGUI	☐

Fibre Optic Toolkit



Code	FKL08C
1 x Kevlar Cutter	1 x 6 Pcs Screwdriver Set
1 x Optic Stripper (FCFS-2)	1 x 8" Adjustable Wrench
1 x Fibre Jacket Stripper (FHW-109)	1 x Emergency Lamp
1 x JETECH 8 Pcs Set	1 x Blow Brush (MS-15C)
1 x Round Cable Cutter (FHW-19C)	1 x 3.5m Tape Measure
1 x Wire Rope Cutter	1 x Precision Nipper
1 x 7" Plier	1 x Black Marker
1 x 6" Needle Nose Plier	1 x Utility Knife
1 x 6" Side Cutter	1 x 4Oz Bottle of Alcohol

OPTICAL ACCESSORIES

	Attenuators (Db)		Fibre Adaptor		Fibre Patch Leads	
Code	FCPC-A*	SCAPC-A*	FCPC-ADPT	SST-FC	FCPC-PG*	SC/APC *M Y
Description	*Add to code dB Required: 5, 10, 15, 20	*Add to code dB Required: 5, 10, 15, 20	FC/PC Single mode, Round, Simplex, Ceramic Sleeve	FC/PC Single mode, Square, Simplex, Ceramic Sleeve	*Add length (m): 1, 5, 10, 20, 40, 50, 75, 100, 200	Simplex, SC/APC- SC/APC. *Add length (m): 0.5,1,3,5,10
	SC/APC Midcouplers		Panel Box		Face Plates	
Code	MC-SASASM	MC-DADASM	HTG000005	HTG0000024*	J10-FACEPL	
Description	Simplex SC/APC - SC/APC	Duplex SC/APC - SC/APC	Fibre Patch (1U)	24 x SC/APC Slots. *Add: S - Simplex, D - Duplex	Adapter 32 way FC/PC Face Plate (1U)	

NEW

H30 FLEX MULTI STANDARD HANDHELD METER



Code	593302
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Televes keeps leading the way with this new meter, designed to meet the requirements of TV installers for both satellite and terrestrial signals.

H30Flex is a light-weight handheld meter packed with all of the features required to install and maintain TV systems using DVB-S/S2, DVB-T/T2 or DVB-C digital modulation as well as analogue channels.

Available for the first time in an economic product, digital processing brings installers the opportunity to take measurements with a high level of accuracy, essential to give the installer the peace of mind of a job well done.

Features

- Traffic light indicators (pass/fail) for the main quality indicators
- All the features of more expensive meters included as: constellation, spectrum analyser, service id, etc.
- It allows pre-amplifier and LNB powering. Including both DiSEqC and dCSS (SCR) commands
- Display the images offered on a digital channel (HD or SD)
- The parameters of the different modulations are automatically detected
- Real-time digital processing of the signal

NEW

HDMI/AV TO DVB-T MODULATOR



Connections

Code	DHM-2061
Video Input	HDMI / CVBS
HDMI Loop	Yes
RF	In/Out
Video Resolution	HDMI: 1920 x 180-3p RCA: 720 x 576 @25fps
Video Codec	H.264 (Bitrate 1..19Mb/s)
HDCP	Yes
Cascadeable	Yes

NOTES