



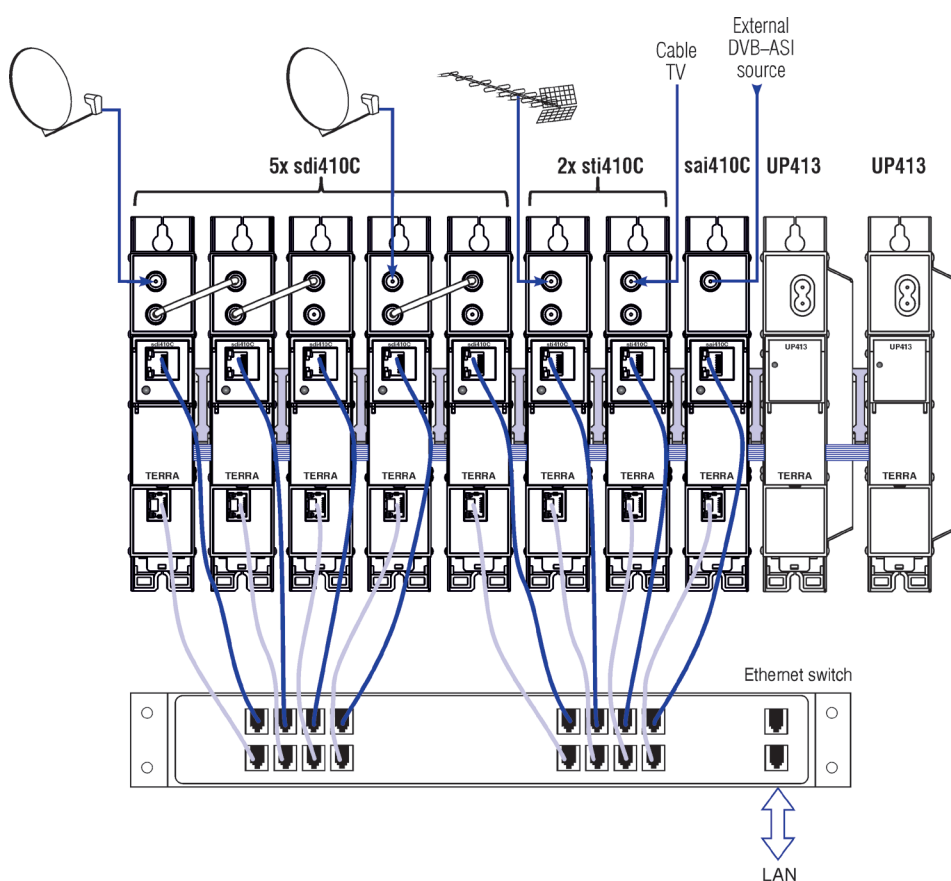
Modular reception system DVB to IP streamers

Dynamic penetration to every day live of tablets, laptops, SMART TVs creates the growing demand for distribution of visual content over in house Local Area Network. Flexibility and interactivity additional positive feature brings Internet protocol based television to TV distribution.

TERRA offers front IPTV streaming solution for various applications like hotels and hospitals, offices and stadiums and etc. The headend enables streaming of broadcasting programs from DBS satellites, terrestrial towers and CATV networks as well content from external DVB source through ASI interface.

Decryption of scrambled services is available through built in Common Interface. The web-based control of the headend makes easy setup and configuration. The headend is very compact and power saving - high density solution.

- DVB-S/S2 streamer modules
- DVB-T/T2/C streamer modules
- DVB-ASI streamer module
- Power supply module



Application diagram of IP streaming from:

- 6 SAT transponders from 2 satellites
- 1 DVB-T channel
- 1 cable TV channel
- up to 24 services from single DVB-ASI source
- powering redundancy

UP413 - power supply



Modular reception system

DVB to IP streamers

IP streaming of free-to-air or descrambled DVB services.

- common interface (except sdi480, sti440)
- BISS descrambling (except sdi480, sti440)
- SPTS or MPTS IP stream
- regeneration of information contained in the MPEG-2 tables
- UDP and RTP transmission protocols
- SDP/SAP protocol support
- TS file streaming from USB flash (sdi480, sti440)
- Web interface via Ethernet port
- loop through RF distributing (except sdi480)
- DIN rail or wall mounting
- robust die-cast housing

connectors:

RF inputs, ASI input/output - type F
(except sdi480, sti440)

Ethernet control, Ethernet stream output - RJ-45

CAM - PCMCIA (except sdi480, sti440)

USB - USB-A (sdi480, sti440)

screw terminal block for DC entry
power distribution bus

sdi410C

DVB-S/S2 to IP

sti410C

DVB-T/T2/C to IP

sai410C

ASI to IP

sdi480

DVB-S/S2 to IP, eight transponders

sti440

DVB-T/T2/C to IP, four transponders



Technical specifications

T Y P E		sdi410C*	sti410C*	sai410C*	sdi480	sti440
Ordering number		03818	03819	03820	03825	03829
RF input		QPSK / 8PSK	COFDM / QAM	-	4x QPSK / 8PSK	COFDM / QAM
	frequency range	950-2150 MHz	47-862 MHz	-	950-2150 MHz	47-862 MHz
	level/impedance	43-83 dBμV / 75 Ω	30-80 dBμV / 75 Ω	-	43-83 dBμV / 75 Ω	40-80 dBμV / 75 Ω
	symbol rate	2-45 Ms/s	-	-	2-45 Ms/s	-
ASI input	packet length	-	-	188 / 204 bytes	-	-
	bit rate	-	-	up to 72 Mbps	-	-
	input voltage	-	-	200...880 mVpp	-	-
	impedance	-	-	75 Ω	-	-
	return loss	-	-	> 15 dB	-	-
		-	-	-	-	-
LNB powering/control		0/14/18 V & 300 mA max. DiSEqC 1.0	12 V 100 mA	-	0/14/18 V & 300 mA max. DiSEqC 1.0	12 V 100 mA
IP output	standard	IEEE802.3 10/100 Base T			IEEE802.3 100/1000 Base T	
	bit rate	up to 80 Mbps			up to 400 Mbps	up to 200 Mbps
	transmission protocols	UDP/RTP				
	multicast	Yes				
	MPTS	Yes				
	SPTS	Yes				
Control port		standard IEEE802.3 10/100 Base T				
Current consumption**		12 V 0.2 A			12 V 0.7 A	12 V 0.5 A
Operating temperature range		0° ± +50° C				
Dimensions/Weight (packed)		36x198x107.5 mm/0.84 kg			48.5x198x107.5 mm/0.97 kg	

* option with ASI output:

Type	Ordering number
sda410C	03822
sta410C	03823
saa410C	03824

ASI output parameters:

bit rate - up to 72 Mbps
impedance - 75 Ω
packet length - 188 bytes
MPTS only

** without external DC feeding and CAM; with CAM ≈ 0.3 A

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