

About Us

ADAQ Technologies Pvt. Ltd has started in 2005, registered in 2007 as a private limited company named with no burden to carry the history & to realize a childhood dream of having sophisticated R&D labs to create history.

ADAQ Labs are equipped with sophisticated hardware and software tools along with passion driven professional designers to design, develop, customize products in the following areas:

- Missile sub assemblies and other defense products
- Nuclear Radiation Monitoring Equipment.
- Hardware and Software Design & Development for ARM7, ARM9, ARM11, PSOC, PIC, ARM Cortex, FPGA, DSP, Lab View and RF Based Applications
- Automatic Test Equipment
- Robotics & Automation
- Solar & Power Electronics

SMT Production Line



Production Line capabilities:

1. Board Size : Min 50X50 to 400X250mm
2. Component height : 0.12 mm to 24mm
3. Component Size : 0201 inch to
and type 33.5Square mm
All types of chip components from 0201 package, AL CN, MELF, QFN, PLCC, QFP, SOT, SOP, BGA, TSSOP, SOIC and up to 33.5 sq mm smd component.

4. Placement speed (chip) : Optimum - 19,300 CPH
IPC9850 - 15,300CPH
5. Head : 6 Nozzles at a time
6. Placement accuracy : ± 0.03 mm (2mil)
7. Feeder input maximum : 60No's
8. Component handling and feeders : Tape feeders 8mm to 72mm, bulk feeders, stick feeders, tape feeders, adjustment jig with monitor, tray holder, trash box.
9. Component centering device : LNC60
10. Reflow Oven : Lead free or leaded 6Zone Reflow Oven (ROHS and Lead Free)
11. Paste Printer : Semi Auto Matic Paste Printer with the Size of 500mmX350mm
12. Wave Solder Machine : 2 preheaters Top and Bottom, Spray Fluxer, Lead free Solder pot, Max width 400mm, Solder Pot capacity 400Kg.
13. Production area : Entire production area is lined with anti static flooring.
ESDAides- Furniture, Tools, Aprons etc are in position.

DVB-C MPEG-4 Setup Box Specifications

- MPEG-4 (8:1 SD) Encoder with 8A/V Inputs and 1 IP output
- Up to 1000 Digital TV Channels Supported
- Including EPG and SI/SPI software modules
- QAM Modulation system, including Multiplexer and Scrambler (for CAS)
- Installation, Testing and Commissioning of the Revolution CAS at the Digital Head-end
- It will supports the LCN(Logic Channel Number)
- Smart Card Interface that is active and powered up in Standby mode
- Radio Frequency Range 47 MHz to 862 MHz for both VFH & UFH
- Supports both PAY and Digital FTA channels

Video Decoder Standard	MPEG-2, 4
Video Decoder	MPEG-2,4/MP@ML, MP@HL
Video Format	PAL(B/G)?NTSC
Audio Decoder Standard	MPEG-2, 4
Audio Decoder	MPEG-1and MPEG-2 Layer I and II
Audio Mode	Left/Right/Stereo
Sampling Frequency	32KHz,44.1KHz,48KHz
Channel Decoding Standard	DVB-C
Demodulation	16,32,64,128,256
QAMSymbol Rate	0.45 to 9.0Mbauds
Bandwidth	8M
Encoding System	
FTA ((Free To Air Channels)) HD IRD	DXI-I820 FTA
Pay channel HD IRD	DXI-820 CI
MPEG4 8:1 SD Encoder	MPEG4 8:1 SD Encoder
CAS(conditional Access)	
CAS	E-CAS, ABV
Power Specifications	
Working power Consumption	<7w
Standby power Consumption	<1w
Adapter power	5V DC
Remote Control	
IR Sensor	38KHz
Front View	
5 Switches	Power, Ch+, Ch-, Vol+, Vol-
IR	Yes
LED Indicator	Power Lock
7Segment Display	Yes
Rear View	
Cable In	Female
Cable Out	Male
RCA	Audio_L, Audio_R, CVBS
Power Supply	Eternal Input Voltage:5V

Setup Box in Breif:

Setup box decodes a digital television(DTV) broadcast and makes it compatible to the television set. The DTV give better picture, sound quality and, a better TV viewing feel to the consumers.

It also controls the distribution of digital television signals, called as Conditional Access System (CAS),which ensures that only privileged consumers are able to receive, thus avoiding illegal means of tapping the signals.

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Mission & Vision

Mission:- "Your requirement, our commitment." We are committed for world class solutions provided by the handpicked, best in the class professionals who love to take the challenges always wearing the Customer's hat.

Vision:- To provide world class customized, cost effective & reliable solutions beyond the expectations to gain appreciation, attention & satisfaction.

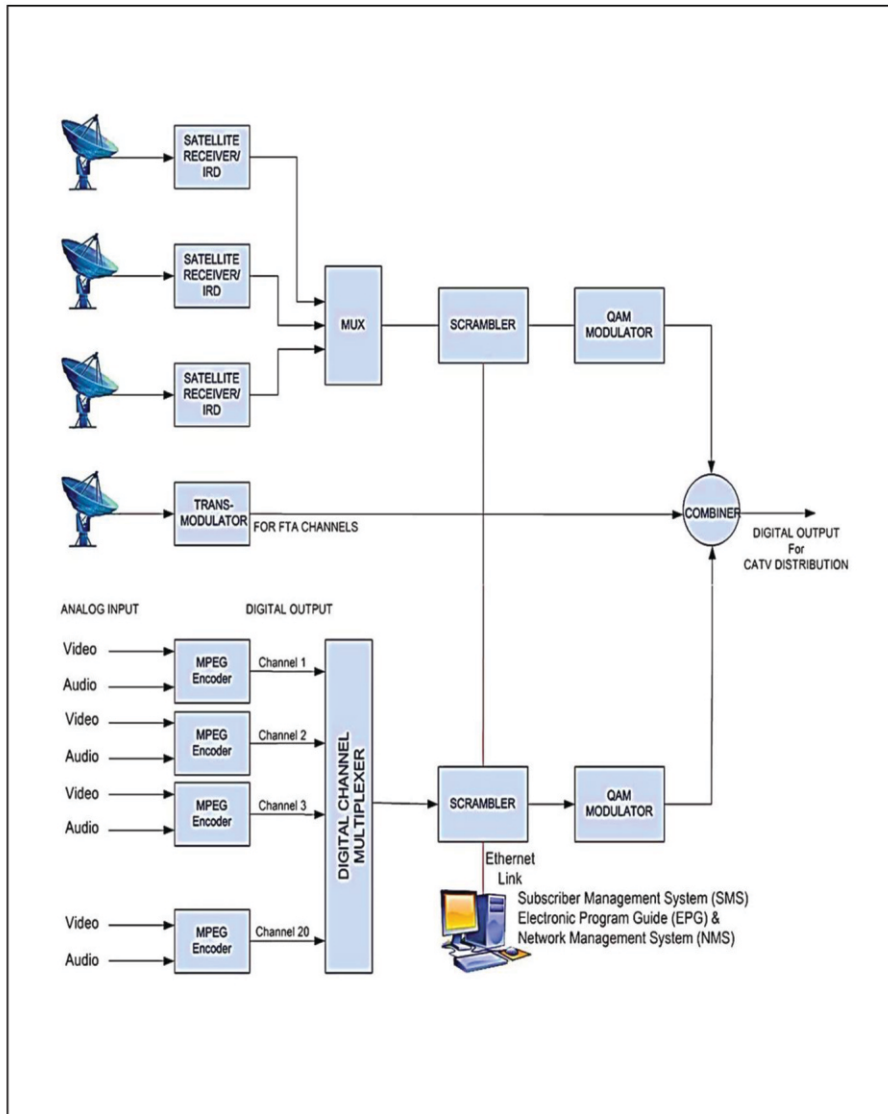
Motto:- We strive to stand-out in the “Made in India” brand.

Products & Services:

1. All kinds of Automatic Test Equipments.
2. Programmable Insulation and Break Down Testers.
3. Programmable Linear & Non liner Power Supplies up to 0-120V@50A
4. Programmable Cable Harness Test Jigs up to 2048Pins.
5. High speed and High accuracy data loggers.
6. Customer Specific SBC's.
7. Digital and Analog Cards.
8. Frequency Selective Millimeter.

Hardware and Software Design & Development for ARM7, ARM9, ARM11, PSOC, PIC, ARM Cortex, FPGA, DSP, Lab View and RF Based Applications

Digital CATV System



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SET TOP BOX

Feel the Digital experience

