

# Titan

by Teleplan

## Automated, objective Set-Top-Box (STB) test platform

Titan is an automated, objective Set-Top-Box (STB) test system that provides comprehensive test coverage on STBs returned from the field.

Titan can reduce touch time to less than 3 minutes, reducing labour costs and avoiding the potential errors associated with manual testing.

The Titan system fully verifies results and produces certified reporting of product status to build confidence in the reliability of the product. Data collected during the test process can be analysed to provide insight into product behaviours and help identify any weakness in specific operational characteristics. This data can be used to influence future designs and make decisions on existing products as well as help customer service departments diagnose field issues more accurately.



### Features

- Attended touch time < 3 minutes
- Fully Automated one touch process
- Tests all A/V Interfaces
- Includes Wi-Fi, Bluetooth, MoCA
- Supports Satellite, Cable and IP
- HDD and EHDD Surface test
- Programmable Cycle time
- All major OEM models supported
- Focussed testing based on known failure mechanisms
- Stress testing of specific areas of the STB by repeated testing during the test cycle
- Continual development roadmap to ensure future technologies are supported

### Benefits

- **Test Development** – Test Coverage can be ‘tuned’ based on the returns profile
- **Repeatability** – No subjective Operator based decisions on audio or visual quality, all decisions objective and automated
- **Reliability** – Threshold levels can be set based on OEM values and calibration measures determined empirically
- **Scalability** – Titan has the capacity to test 16 STB simultaneously, multi-thread testing allows the removal and addition of a STB at any point during the operation
- **Data Capture** – All test information is available to review real time with a unique customer portal
- **Flexibility** – Any STB can be introduced to Titan at any point during the test cycle. Test programs are not slot specific and any model can be tested on any slot at any time
- **Portability** – As there is no need to test in the ‘live’ environment a STB can be tested anywhere in the Supply Chain without the need for a true Network provision
- **Accessibility** – As Titan testing is in a ‘black-box’ mode, the STB is tested in the same condition as the reported problem that the customer experienced

To find out how Titan can benefit your business visit [www.teleplan.com/titan](http://www.teleplan.com/titan) and for a live demonstration email [marketing@teleplan.com](mailto:marketing@teleplan.com)

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**T E C H N I C A L   S P E C I F I C A T I O N S**

| Physical                               |   |
|--|---|
| Form Factor                            | 3*(33U*23") rack  |
| Dimensions                             | H: 1655mm (65.1") W: 2400mm (94.4") D: 700mm (27.5")  |
| Weight                                 | 180kg (396lbs)  |
| Slot Dimensions                        | H: 130mm (5.1") W: 540mm(21.2") D: 550mm(21.6")   |
| Electrical                             |   |
| Power                                  | 110V/220V 700W (excluding DUT)  |
| Environmental                          |   |
| Operating temperature                  | 10 °C to 25 °C ( 50 °F to 77 °F)  |
| Operating Humidity (RH)                | 20% to 80%  |
| Devices                                |   |
| Number of devices under test supported | 16  |
| Per-slot Device Connectivity           |   |
| RF                                     | 2* F Connector  |
| Analog Telephone                       | 1*RJ-11   |
| Ethernet                               | 1*RJ-45   |
| Serial                                 | 1*DB-9  |
| Audio/Video                            | AV1 (3*RCA:video,stereo,audio)      Coaxial Digital Audio<br>AV2 (3*RCA: video,stereo,audio)      Optical Digital Audio<br>Analog Audio (2*RCA)                      RF (F Connector)<br>Svideo (4 pin mini DIN)                    RF4CE<br>HDMI    MoCA<br>YPbPr ( 3*RCA) |
| Power                                  | 1*IEC-C7  |
| External Connectivity                  |   |
| RF                                     | 2 *BNC for Cable                              8 * BNC for Satellite   |
| Ethernet                               | 1*1GB LAN RJ-45 for access to unit    1*1GB LAN RJ-45 for DUT LAN   |
| Power                                  | 2*Neutrik PowerCon  |

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*Part of our  
Test Solution Series*



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