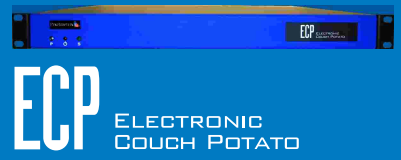




service integrity
signal integrity
remote monitoring



Electronic Couch Potato™ (ECP) – HD/SD Specifications

HD/SD SCREEN SECTIONS

Video tests can be constrained to specific sub-sections of the screen area. For example, the ECP can be configured to check for a freeze frame condition on only the stock ticker of a business channel.

HD content can be transmitted in a number of aspect ratios and formats, eg. 4:3, 16:9 letterbox, etc. This means the position of a screen section might change depending on the output format.

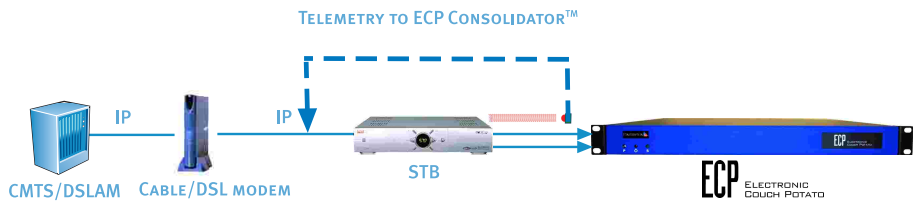
To provide consistent identification of screen sections, the ECP maintains multiple target areas (or screen section 'sets') for each defined object. This provides the maximum flexibility while not needing complicated programming.



THE ELECTRONIC COUCH POTATO™ (ECP)

The ECP is a "programmable test robot" which drives a STB using a built-in IR controller and analyses the decoded signal from a consumer grade STB to fully and truly evaluate the output audio and video signals. With a flexible user-programming environment built on the TCL language common in automated test environments, the ECP is a flexible and future-proof platform for verifying the decoded analog audio and video from the STB. The ability to program each ECP for a well-defined, customized and repeatable operation within the network is a key advantage in today's complex and rapidly changing environment.

Each ECP reports measurements to a central Consolidator. Multiple service quality parameters relating to decoded audio and video are intuitively centrally presented on multiple remote client consoles.



AVAILABLE MODELS

The ECP is available in an SD-only and a SD/HD model. Additionally, a -48V DC powered model for telco environments is available on request.

The SD model has input connectors for composite video and stereo audio while the SD/HD model has input connectors for HDMI, component and composite.

The unique 'clip recording' feature records full resolution video upon alarms giving you a direct link between the alarm log and visual evidence of the error. Because of this recording capability, ECP does not support HDCP-encrypted video signals.

SPECIFICATIONS

System Interfaces

- Management Port
 - 10/100/1000 Base-T
 - RJ-45 Copper Connector
- 2x USB 2.0 Connector

Mass Storage

- 160 GB SATA HDD

Electrical Characteristics

- Power Input
 - 100-240 V AC; 50/60 Hz
- Current Requirement
 - 0.5A at 240 V AC Max (excludes IEC outlet power)
 - 48 V DC option available

Power Interfaces

- IEC inlet & outlet (ECP only)
- Max power output 500 V AC

Input Interfaces - SD Model

- 1x Composite Video
- 1x S-Video
- 1x Stereo Audio (RCA)
- 1x Infrared Controller Interface

Input Interfaces - HD Model

- HDMI audio/video (no HDCP)
- Component video
- Composite video
- L/R analog audio
- Resolutions: 525 NTSC, 625 PAL, 720HD and 1080HD

Mechanical Characteristics

- 1RU 19 inch rack-mountable
- Operating Temperatures
 - +10°C to +40°C
- Storage Temperature
 - 0°C to +50°C

Pixelmetrix Corporation

The Americas
10097 Cleary Boulevard
Suite 114 Fort Lauderdale
Florida 33324, USA
Tel: +1 954 472 5445

Asia Pacific
31 Kaki Bukit Road 3
#07-03 Techlink
Singapore 417818
Tel: +65 6547 4935

Europe
Montnegre, 18-24
Local 2, Baixos
08029 Barcelona, Spain
Tel: +34 93 539 6819



www.pixelmetrix.com

Ref: PPN 30225
Copyright © 2012 Pixelmetrix Corporation. All rights reserved.
All other products or service marks are the property of their respective owners.
Preventive Monitoring, DVStation, DVStation-Remote, DVStation-Pod, DVStation-IP, DVStation-Mini, DVStor, IPGen, DVShift, DVProbe, DPI Auditor, EndGame, Electronic Couch Potato, ECP Consolidator, Consolidator and ConsolidatorPlus are trademarks of Pixelmetrix Corporation.
Data subject to changes without prior notice.

