

IPTV Set-of-Box Auto Test System

-- Jumho Electric



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Overview

IPTV Set-of-Box test system is general audio/video test system for IPTV RCA signal output. This system has these features:

1. Based on high-speed, high resolution data acquisition board from National Instruments. It can support all video and audio parameters testing.
2. High speed, 3x than traditional video analyzer and audio analyzer
3. Cost down. Traditional video analyzer is expensive and difficult to adopt in factory pipeline
4. Easy-of-use software interface

System overview:

- Video specification :
 - Bar Amplitude
 - Signal-to-noise ratio
 - K factor
 - Chroma gain inequality
 - Chroma delay inequality
 - Multiburst
 - Chrominance AM/PM noise
 - Differential Gain&Phase
 - Chrominance non-linearity
 - Sub-carrier frequency
- Audio specification :
 - Output level
 - Distortion
 - SNR
 - Inter-channel phase
 - Inter-channel level
 - Inter-channel cross talk



Main interface



Audio test interface

Successful story:

Large IPTV set-to-box EMS company already introduced this system.