

VIDEOTEK® TERSUS™

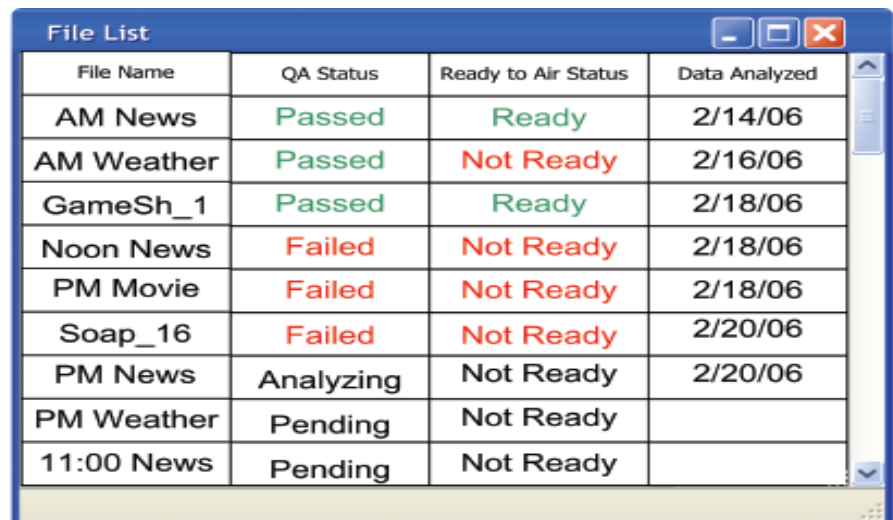
Test and Measurement Server

What is Tersus™?

The Tersus™ test and measurement server is a platform designed to verify the video and audio content of files stored on servers and storage networks. While older stream monitors only tested for compression errors, Tersus™ checks visual and aural quality assurance parameters. Video and audio levels (in multiple color spaces for video), audio phase, low audio, letter and pillar box limits are just some of the parameters this robust system monitors.

How does Tersus™ work?

The system verifies the quality of content utilizing Videotek's powerful test and measurement technology. The process can be initiated manually via the intuitive user interface or Tersus™ can be set to automatically process files by a certain time or when triggered by an event. For example, the system can be configured to immediately test any new media file that enters the network, whether via ingest or transfer. Since the quality assurance process progresses at rates faster than real time, this system enables tremendous flexibility in managing digital assets.



File Name	QA Status	Ready to Air Status	Data Analyzed
AM News	Passed	Ready	2/14/06
AM Weather	Passed	Not Ready	2/16/06
GameSh_1	Passed	Ready	2/18/06
Noon News	Failed	Not Ready	2/18/06
PM Movie	Failed	Not Ready	2/18/06
Soap_16	Failed	Not Ready	2/20/06
PM News	Analyzing	Not Ready	2/20/06
PM Weather	Pending	Not Ready	
11:00 News	Pending	Not Ready	

The file manager provides useful information at a glance

Once a media file is recognized by Tersus™, the system tracks its status and builds a database of test results and any changes made to the file – this information is then encapsulated in the header of the MXF file. The Tersus™ system can then present the "ready-to-air" status of any file it has examined on the network in an easy to understand summary screen by extracting data out of the MXF file.

In addition to the file manager summaries, Tersus™ also presents other information in easy to follow formats such as detailed video and audio quality checks for a single file, summary reports for all files in the database, and user-inserted comments. Control of the file QA process is possible using playout and scrub interfaces.

Hardware

The hardware portion of this system is scalable in numerous ways. First, additional frames may be added to the primary frame in order to increase analysis speeds. Also, View Stations can be added that allow remote views of the file after analysis by the Tersus™ server. The View Stations are Q-SEE™ enabled, providing different ways of analyzing the file's video and audio content, like waveform, vector, audio level meter, gamut, and picture displays.

The View Stations also provide uncompressed serial digital video and audio outputs of the file content, allowing further monitoring and signal comparison.

The system's capabilities include file tools to modify video and audio content such as video legalization, audio limiting, and proc amp controls. With these features, Tersus™ can do more than monitor; with them it can correct as well as detect problems.

Supported file formats include:

- MPEG2 / IMX 50
- MPEG2
- DV25
- DVCPRO 50
- DVCPRO 100
- VC1 (WM9)
- MPEG4 - H.264

Video Alarm Capabilities include:

- RGB Gamut Upper
- RGB Gamut Lower
- Luma Gamut Upper
- Luma Gamut Lower
- Composite Peak Upper
- Composite Peak Lower
- Letter Box (SD)
- Pillar Box (HD)
- Picture Shift (asymmetrical blanking):

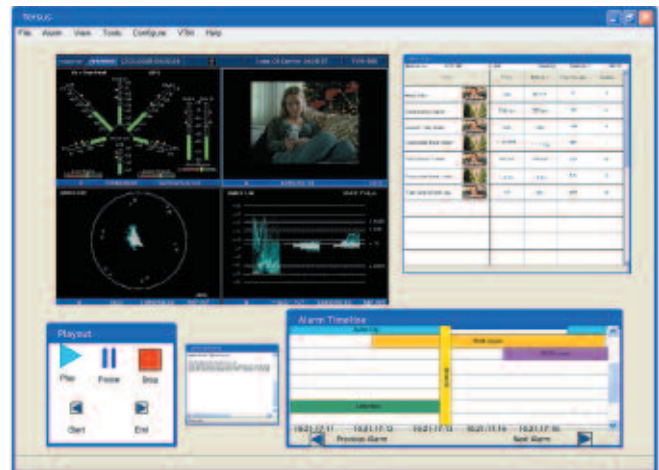
Audio Alarm Capabilities include:

- Peak Audio
- Audio Phase
- Loss of Sound
- Continuous Tone
- Mute
- Low Audio
- Dolby® Format Change

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For more information please visit www.broadcast.harris.com/videotek

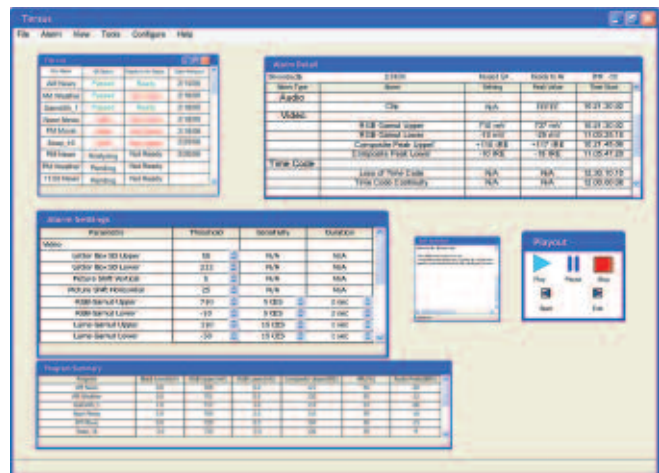
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Tersus™ incorporates patented Videotek® test and measurement technology to provide video and audio signal analysis

File	Status	Location	% Complete	Profile
AM News	Analyzing	Station 1	87%	Default_1080
AM Weather	Pending	Station 1	n/a	Default_525
GameSh_1	Pending	Station 2	n/a	Custom
Noon News	Pending	Station 3	n/a	Default_720
PM Movie	Pending	Station 1	n/a	Custom

Queue View shows status of files currently in the Tersus™ system



The Windows-based platform enables instant access to a variety of information