Khronos-WS-DTV

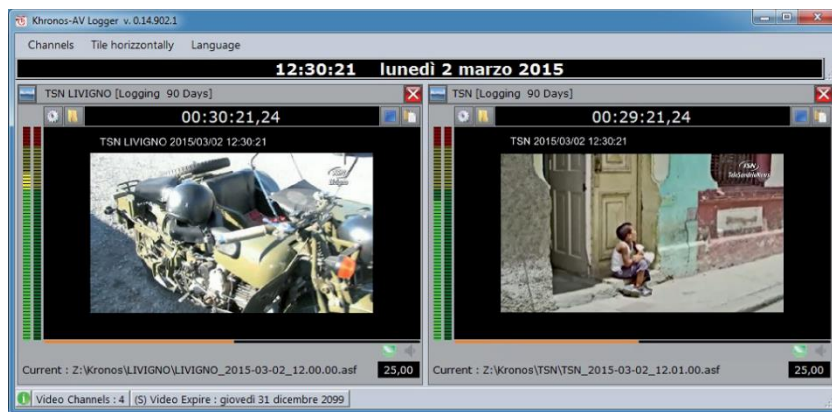## Video Recording from DVBT-DigitalTelevision

Khronos-WS-DTV is a system receives and decodes DVB-T2 and DVB-C2 standard at the same time and render each audio for multi-channel recording or monitoring software.

Broadcast data services are also available through a simple application programming interface.

A sample monitor application is included which displays a control panel for each channels. A periodical scan of entire band can set. Supports DVB-T2,ISDB-T and DVB-C2 standard at the same time for recording digital TV programs for all HD resolutions.

System status is constantly monitored locally or remotely.
Alarms may be notified via email or user define external device, advanced auto-diagnostic tools guarantee continuous up time.

The multi-channel acquisition via audio/video input and it will be set based on real customer needs and storage capacity.

Khronos has a setup which allows complete customization of software use: you can choose the length of each file. Its ease of use and its versatility make it an excellent tool for fulfilling the obligations established by law and also for other purposes.

SYSTEM SPECIFICATION

Hardware

Intel core i7, RAM 16GB,250 GB OS disk, Lan 1Gb

Internal Storage

Expandable to 8GB in Raid 0,1 or 5

Operating System

Windows 10

Supported Formats

H264,WMV,MPEG,MP4

Supported Languages

English, French, Spanish, Italian, Arabic

Dimension

Rack Mount 3U (482mm X 380mm X 133 mm)

Ordering Code

KR-WS-DTV-4-x :   4 DTV channel recorder

KR-WS-DTV-8-x :   8 DTV channel recorder

KR-WS-DTV-12-x :   8 DTV channel recorder

KR-WS-DTV-16-x :   8 DTV channel recorder

Storage option –x

-2 2x 2 TB HardDisk Raid 1

-4 4x 2 TB HardDisk Raid 1

-8 4x 3 TB HardDisk Raid 5

-0 none

○ ### *KHRONOS-AV*

Khronos-AV is an advanced audio/video logging software for digital non-stop recording.

The acquired files are automatically indexed by date and time, through a simple Media Player it is possible to access the content immediately , also from a computer on the network.

If disk space runs out **Khronos-AV** will automatically delete the oldest files.

The multi-channel acquisition via audio/video input and it will be set based on real customer needs and storage capacity.

Khronos-AV has a setup which allows complete customization of software use: you can choose the length of each file.

Its ease of use and its versatility make it an excellent tool for fulfilling the obligations established by law and also for other purposes.

○ ### *SOFTWARE FEATURES*

- o Multi-channel modular structure expandable up to 16 DTV channels on the same server
- o Storage records are configurable to specific customer needs
- o Recording quality can be defined based on the available disk space, codec and bit rate
- o User defined timestamp on video
- o Automatically deletes oldest files
- o It supports Local Area Network (LAN) to view recordings from unlimited clients on the network or from remote computers
- o It allows the recording of the same video signal in different qualities and modes or only audio
- o It can record the same source at low quality for logging, high-quality for programs replication and Internet quality for podcasts
- o Snapshot grab at user defined interval
- o Allows the programming time of the recordings or controlled via LAN or GPI
- o Ideal addition to a system for streaming
- o Continuos system monitor and sending alerts and information via e-mail

○ ### *RECEIVER SPECIFICATION*

- o **DVB-T2 and T2-Lite:**
- o Receiving channel: VHF band, UHF band
- o Bandwidth: 1.7, 5, 6, 7, 8MHz FEC: QPSK, 16QAM, 256QAM
- o FFT mode: 1K, 2K, 4K, 8K, 16K, 32K Code rate: 1/2, 2/3, 3/4, 5/6, 7/8
- o **DVB-C2:**
- o COFDM demodulator (16_QAM to 4096_QAM)
- o FEC (LDPC/BCH) decoder Bandwidth: 6MHz, 7MHz, 8MHz
- o **DVB-C:**
- o QAM demodulator
- o FEC decoder 1 to 7.2MSymbol/s
- o **ISDB-T:**
- o COFDM and FEC decoding Support 3 Layers decoding TMCC decoding
- o Support differential demodulation AC1 and AC2 decoding