LightCube **SD/HD**

PLAYOUT AUTOMATION

ingest
MAM
traffic
archive
playlist
playout
audio processor
upscaler/downscaler
tv logo generator
CG management
matrix/router/VTR control
GPI control
live event control
broadcast records
IP encoder

TWT

LightCube
THE BEST PRICE
FOR TV CHANNEL AUTOMATION

THE HEART OF YOUR TV CHANNEL
TWT presents the first playout solution, designed by broadcasters for broadcasters: LightCube provides the full workflow in one single workstation.

Reliable and intuitive, LightCube SD/HD offers simultaneous capture and playout.

LOGO
2D-3D fixed and animated channel branding on playout.

CG MANAGEMENT
Up to five simultaneous 2D-3D fixed and animated logo event, related to a specific (gif, tiff, jpg, png, tga).

CRAWL AND ROLL
Real time crawl and roll editor, user friendly settings interface.

PLAYLIST
Intuitive and user friendly playlist. Capable of loading external list of files.
Accept third party's software playlist.

MARK
Mark software with frame precision in order to mark files in and out, graphics and logos.

THERE IS MORE!
LightCube is a modular system that can be upgraded to the larger WonderCube platform: Advanced CG and traffic, redundant play out, Blu-Ray library and storage server, news room automation and prompter.
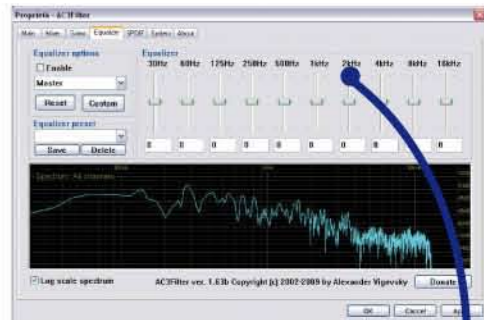
ALL IN ONE
Ingestion - M.A.M - Traffic - Storage - Playlist - Playout - Audio processor - Matrix, Mixer and VTR control - Broadcast records - IP encoder.
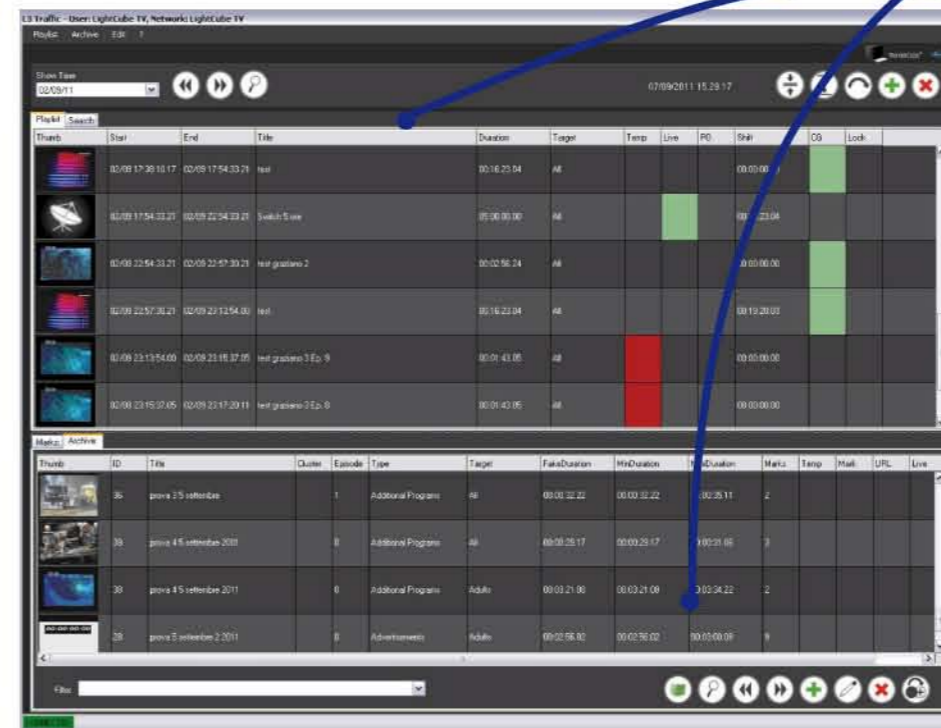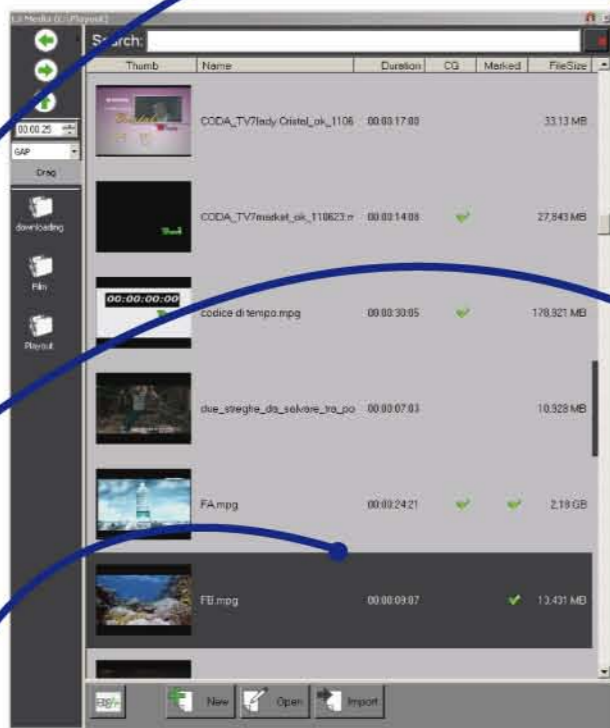
PLAYOUT PREVIEW

ARCHIVE
Archiving system with SQL database.
Exclusive features for file compatibility analysis, MD5 checksum and 2D-3D CG mark.

TRAFFIC
Traffic software for long term scheduling like: advertisement, movies, soapoperas, cartoons, etc...

AUDIO PROCESSOR
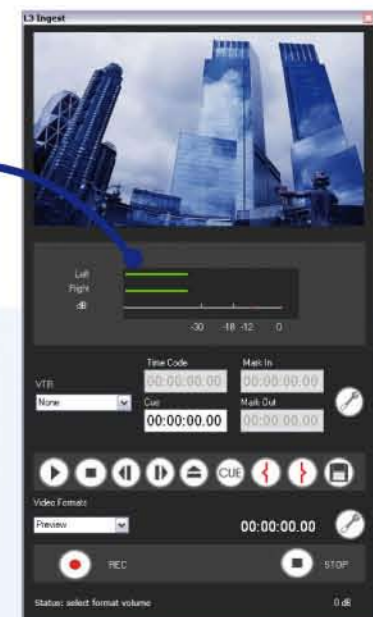Finally a high level audio processor built-in to the playout platform.
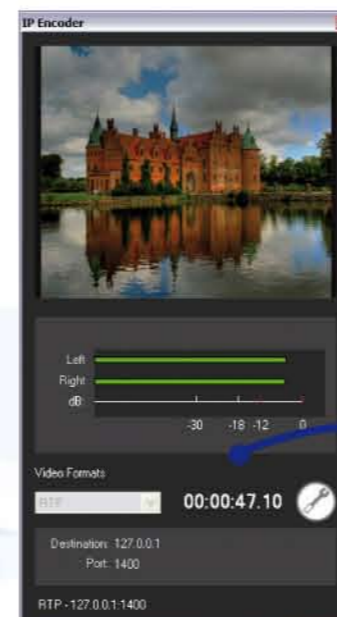
MATRIX/MIXER/VTR
Full automatic/manual control for external devices.

MIXED FORMATS
SD, HD, 4:3, 16:9.
Automatic upscale or downscale.
Avi, MPG, MP4, M2P, DV, MPEG-1,2,4, Quick-Time, DX50, etc...

INGEST
SD and HD ingest.
VTR remote control.
Settable capture parameters with fixed and variable bitrate.

IP ENCODER
Encoder for playout and live sources output.

FEATURES AND FUNCTIONS OF THE LIGHTCUBE® PLAYOUT AUTOMATION

Archive

MAM

File cataloguing with SQL database

Stored files video preview – available during Playout video output

Video parts preview for commercials and adv breaks events

Database search filter

New items insert using "drag & drop" function from Windows folder

File integrity check using MD5 control

Mark

File mark procedure with frame precision

Second mark out for automatic Playout optimization

CG mark of 2D, 3D fixed and animated graphics (giff, tiff, jpg, png, tga)

Traffic

Easy Playlist fill in with "drag & drop" function directly from the archive

Colored indicator of the on air item

Video preview of the Playlist files – available during playout mode

Multiple items insert in Playlist, useful for advertisement scheduling

Keyboard short cuts: Ctrl+x, Ctrl+c, Ctrl+v, ...

Advertisement scheduling

Playout

Automatic file filler randomly taken from a selected folder

Output video preview, integrated in the Playout software

Audio gain preview

Audio gain control

Advanced live event control panel

Manual file player mode

Fast item insert in Playout by "drag & drop" function from Windows folder

Manual control of the player with play, pause and skip functions

Automatic upscaler, downscaler

Automatic aspect ratio adapter 4:3,16:9

SD, HD

Audio processor

Audio processor software integrated on Playout: audio gain control, compression, equalizer, ...

CG management

2D, 3D fixed and animated channel branding (gif, tiff, jpg, png, tga)

Up to five simultaneous 2D, 3D fixed and animated (gif, tiff, jpg, png, tga)

Secondary graphic event, related to a specific item (gif, tiff, jpg, png, tga)

Crawl and roll generation with font, colour and speed settings

Languages

Available in English, Italian, German, French, Spanish, Russian, Arabic

Broadcast records

Broadcast records generator

External devices

External device control through RS 232 or LAN port like mixer, VTR, router, matrix

Storage hardware

1 TB HDD available space, RAID 10 configuration (upgradable)

Possibility to manually move files to a consumer USB HDD, in order to increase the storage space

Possibility to manually move files to a LAN attached server, in order to increase the storage space

Multiformat Capture SD/HD**

MPEG-2, DV

Multiformat Playout SD/HD

AVI, MPG, MP4, M2P, DV, MPEG-1,2,4, Quick-Time, DX50, etc...

Audio/Video Input**

Serial Digital SDI - Analog Component YUV* - Composite* - Embedded Audio Unbalanced AES/EBU* - Analog XLR Stereo*

Audio/Video Output

Serial Digital SDI - Analog Component YUV* - Composite* - Embedded Audio Unbalanced AES/EBU* - Analog XLR Stereo* - IP

Hardware certification

Dell hardware certification

Hardware after sales assistance

Two years, on site, after sales assistance on Dell hardware - spare parts and Dell qualified technicians support

Modularity

Modular system upgradable to WonderCube Solution

CONFIGURATIONS:

Playout (L3-O.HD.IP)

Storage + Playlist + Playout + Audio Processor + TV logo + CG Management + Live event control + Matrix/router/mixer/VTR control + Broadcast records + IP encoder

Playout + Ingest (L3-I.O.HD.IP)

Ingest + Storage + Playlist + Playout + Audio Processor + TV logo + CG Management + Live event control + Matrix/router/mixer/VTR control + Broadcast records + IP encoder

Playout + Traffic (L3-T.O.HD.IP)

Traffic + MAM + Storage + Playlist + Playout + Audio Processor + TV logo + CG Management + Live event control + Matrix/router/mixer/VTR control + Broadcast records + IP encoder

Playout + Ingest + Traffic (L3-I.T.O.HD.IP)

Ingest + Traffic + MAM + Storage + Playlist + Playout + Audio Processor + TV logo + CG Management + Live event control + Matrix/router/mixer/VTR control + Broadcast records + IP encoder

TWT S.r.l.

www.wondercube.tv   sales@wondercube.tv

skype: wondercube.sales

tel.: +39 0498077755

DISTRIBUTED BY:

JVC

The Perfect Experience

JVC Professional Europe Ltd

European Headquarters

JVC House, JVC Business Park, 12 Priestley Way,

London NW2 7BA - U.K.

Technical configurations subject to modifications during the year without notice.

** only L3-I.O.HD and L3-I.T.O.HD.IP configuration

* optional

(LI.S.L3.11.10.9.E)