



The Company the Whole World Watches™

# Duet LEX

Powerful, Compact CG System  
with Real-time Animation

## Real-time Animation in a Compact Integrated Digital CG System



### Features

- 1-4 channels
- Centralized LAN/WAN graphics creation, browsing, management & distribution
- Intelligent Interface® for news, elections & sports applications
- Import/export 25+ file types for quick repurposing
- Real-time & Flipbook animations
- Timeline precisely controls all elements for a sharp look
- Chyron Digital Video Processing Board with fully anti-aliased text
- DSK with Bypass (per channel)
- 3 free PCI slots, 2 free bays for options
- 10/100BaseT I/F for other products, such as Aprisa series
- Dedicated SVGA output to update text & preview animations
- Optional Internal Clip Player
- Optional Aprisa Still-Store software
- Optional MOS I/F for newsroom automation
- Optional dual channel video PCI squeezeback can be added to any of the four channels

### A Refreshing Choice

Duet LEX is the latest addition to the Duet® family and capitalizes on the compact, cost-effectiveness of Duet LE while incorporating some of the sophisticated features of Duet SD.

### Robust Flexibility with Extensive Features & Options

Duet LEX, which runs our award-winning Lyric® text and graphics application, features real-time 2D/3D animation capabilities enabling complex graphics to be easily created and played out.

Duet LEX is excellent for 3D-hungry animation applications like live sports. When speed and accuracy are critical, Lyric's Canvas provides superior confidence with object-based animations easily modified in 3D space and simple 'drag & drop' replacement over the previous animation.

A wide-range of powerful options can tailor Duet LEX to match the precise needs of each application. Some of the many options include:

- Clip player with M-JPEG video playout with key and audio
- Aprisa® SSX StillStore software for integrated CG/still performance.

### Rugged, Reliable and Comprehensive Performance

The 4RU rugged Duet LEX chassis houses 1 to 4 channel configurations, with each channel providing as standard a digital downstream keyer with bypass, analog monitoring output, and GPI/O triggers. Use the 2-channel unit to provide cost-effective independent CG outputs, Preview Program mode, or layer between channels for more interesting effects on a single output.

Duet LEX, a superior blend of features, function and performance for demanding applications.

# Duet LEX

## Powerful, Compact CG System With Real-time Animation

### Technical Specifications

#### Digital Inputs/Outputs (per channel)

Number of Inputs 1 SDI Video, 1 SDI Key  
Input Equalization Adaptive automatic up to 300 meters  
Number of Outputs 1 SDI Video, 1 SDI Key; per channel  
Type BNC; 75 ohm impedance  
Data Format 10-bit, 270 Mb/s ITU-R Rec. 601 SMPTE 259M-C

#### Analog input

Type 1 Gen/Lock (analog black burst)  
Format BNC; 75 ohm impedance  
1 volt p-p composite sync, 525/625

#### Analog output<sup>1</sup>

Type 1 Monitoring Video Out  
Format BNC; 75 ohm impedance  
NTSC/PAL, based on SDI output

#### GPI/O Connections<sup>1</sup>

Type 16  
Impedance DB25, located on auxiliary panel\*  
Level 50 ohms  
TTL, level only

\* Note: Auxiliary panel uses an additional rear panel position on the computer  
<sup>1</sup> Note: Not available on squeezeback-enabled channels

Dimensions	Height	Width	Depth	Weight
Chassis, 4RU	17.8cm/19"	48.3cm/19"	55.9cm/22"	16.8kg/37lbs
PC Keyboard	3.8cm/1.5"	45.7cm/18"	17.0cm/6.7"	1.7kg/3.8lbs

Optional Chyron PC Keyboard	Height	Width	Depth	Weight
	9.9cm/3.9"	53.3cm/21"	30cm/12"	3.7kg/7.4lbs

#### Power requirements

4A @ 115V, 2A @ 230V (300W max.)  
90-264VAC continuous; 47-63Hz

#### Environmental characteristics

0-50 ° C, 32-122° F; 5-95% relative humidity, non-condensing

#### Base Single Channel System Configuration

Windows 2000 Professional OS  
Pentium 4 CPU, 2GHz  
2GB RDRAM  
36GB SCSI System Media drive  
12x10x32 CD Read/Write drive  
3.25" Floppy Drive  
PS/2 PC Keyboard and Mouse  
Chyron Video Processing board  
Open GL VGA Accelerator card  
10/100BaseT I/F  
3 PCI Slots for Options  
1 Bay for ZIP drive option  
1 Bay for Fixed drive option

#### Available Computer Interfaces

HDE15S SVGA connector for Lyric/CAL user I/F  
DE9P RS-232 serial ports  
DB25P parallel port (printer)

FCC Class B, UL and CE recognized

[WWW.CHYRON.COM](http://WWW.CHYRON.COM)

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**France** +33 (0) 1 45 18 39 80

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### Hardware & Software Options

- Lyric 2D/3D CG animation with 500 True-Type fonts
- CAL API for automated data-driven applications
- 2nd Video/Key channel
- Internal Clip Player
- Dual-channel live-video squeezeback board
- Aprisa SSX StillStore functionality
- Chyron-style keyboards (English & International)
- ReCall Keys & KwiKeys panels (Reqs. Lyric 3.1)
- 2nd 30GB IDE drive to expand System and/or Media capacity
- 36GB, 72GB, or 144GB SCSI drive to expand Media capacity
- 250MB ZIP drive
- RAM expansion
- Component Video Monitoring output (YUV or GBR)
- Selection of SVGA monitors
- KVM Extender kit
- Lyric iTV Creation; iTV Playout Applications
- Lyric CG Interactive Application
- Liberty Paint Applications
- NewsCrawl Application
- NewsCrawl Lite Application



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