

42" CLASS (42.0" DIAGONAL)

M4210D-B21

LCD
MONITOR

LCD Widescreen

Full HD Monitor with 3D
(no 3D glasses required)



Dramatization

3-DIMENSION DISPLAY
3D depth 90cm

BUNDLED SOFTWARE FOR CONTENT CREATION

UTILIZES CONTENT FROM STILL IMAGES, DYNAMIC
ANIMATION, 2D & 3D MOVIES

BUILT-IN CONTROLLER
Celeron® M 430 (1.86G) with IP function

NARROW BEZEL (29mm)

FULL HD DISPLAY RESOLUTION
1920 x 1080

CONVENIENT EXTERNAL SPEAKER-OUT

SPLIT ZOOM (self video wall)
up to 4x4 matrix-adjusts for bezel width

INTERFACE
DVI and RGB

ON-SCREEN DISPLAY AND
REMOTE CONTROL LOCK

RS-232C CONTROL

3-YEAR LIMITED WARRANTY
(1 Year for Controller)

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TRUE3D SOFTWARE

3D STILL IMAGES, 3D ANIMATION and 2D/3D MOVIE

On the Basis of Parallax, there are 3 kinds of 3D display applications. All of them are based on the stereopsis produced by multiple parallax images. The application ranges from 3D still image to 2D & 3D mixed movie.



Dramatization

3D STILL IMAGE

| CONTENT CREATION TOOL | CONTENTS | RENDERING MULTIPLEXING | PLAY SOURCE | PLAYER |
|--|-------------|---|----------------|--------|
| True3D Still Camera and assessorry View-point guiding holder for still camera | Still photo | True3D Still Image Maker Multiplexing various images of each viewpoint | 3D Image (bmp) | |



Dramatization

3DS MAX® and MAYA®

| CONTENT CREATION TOOL | CONTENTS | RENDERING MULTIPLEXING | PLAY SOURCE | PLAYER |
|--|-------------------|--|----------------|---|
| 3DS Max and Maya Software for creating 3D animation | Dynamic Animation | True3D Plug-In Rendering image sequence of each viewpoint Multiplexing into 3D AVI | 3D Movie (avi) | True3D Player Adjusting viewing distance |



Dramatization

2D and 3D MOVIE

| CONTENT CREATION TOOL | CONTENTS | RENDERING MULTIPLEXING | PLAY SOURCE | PLAYER |
|-----------------------|-------------------|--|-----------------------|--------|
| | 2D and 3D Content | True3D Mixed Reality Mixing normal movie and 3D movie Multiplexing into 3D AVI | 2D and 3D Movie (avi) | |

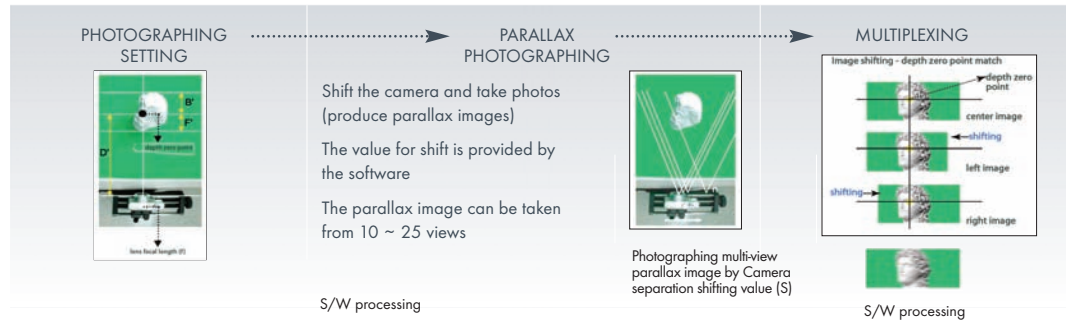
APPLICATIONS



3D IMAGE TYPE

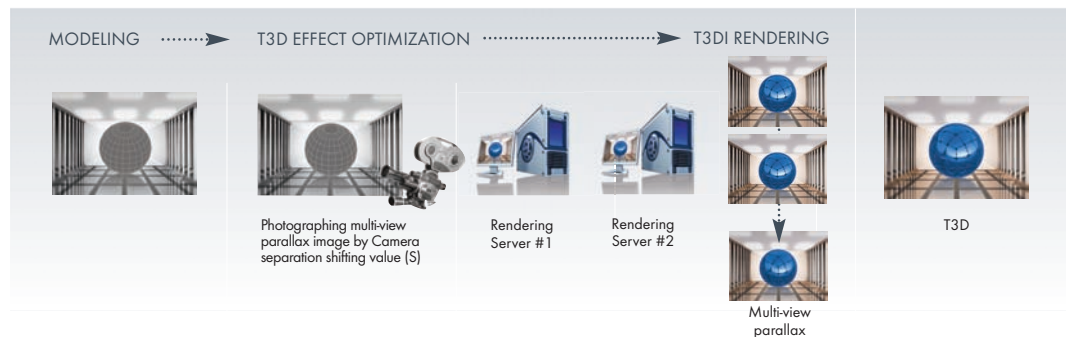
3D STILL IMAGE

In order to display 3D still images, a number of parallax photos are taken (10~25 views) by shifting camera and multiplex those parallax image files. Then only one bitmap image file is generated regardless the number of the parallax photos taken by the camera



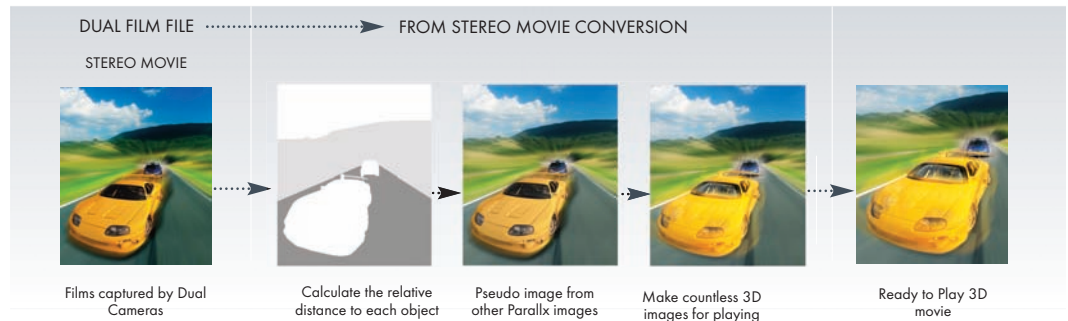
3DS MAX and MAYA

In order to create true 3D animation, the software such as 3DS max or Maya must be utilized to model the prototype. The parameters such as 'convergence distance' and 'camera separation' must be set to add 3D effect.

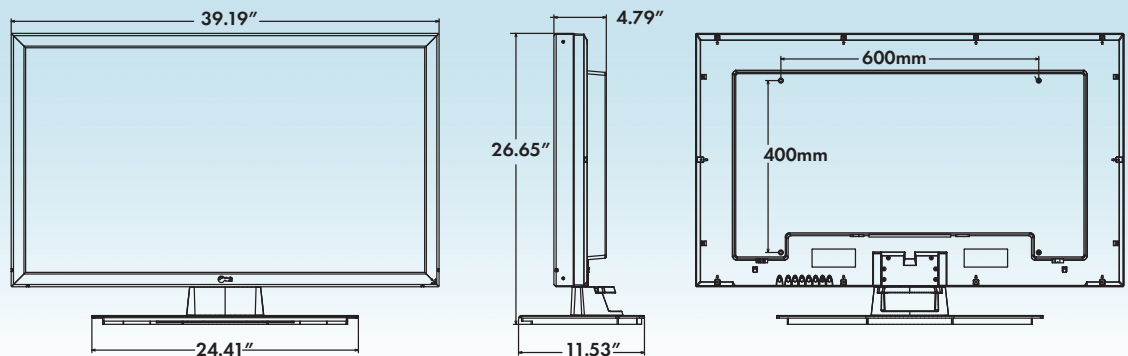


2D and 3D MOVIE

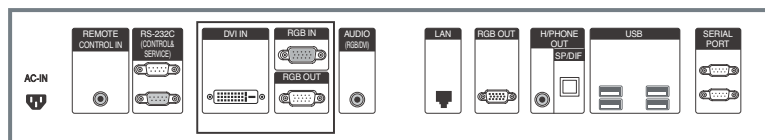
Any films that have been captured by dual cameras could be converted into real 3D movies. LG's unique software converts the stereo movie into the 3D movie.



DIMENSIONS



REAR JACK PANEL



SPECIFICATIONS

| LCD MODULE | |
|------------------------------|---|
| LCD Panel Type | 42" |
| Display Area Diagonal | 42.0" |
| Aspect Ratio | 16 : 9 |
| Native Resolution | 1920 x 1080 (Full HD) |
| Pixels (H x V x 3) | 6,220,800 |
| Brightness | 350cd/m ² |
| Contrast Ratio | 800:1 |
| Viewing Angle (H x V) | 178 x 178 |
| Color Depth | 16.7 Million |
| Response Time | 8 ms (G to G) |
| Surface Treatment | Hard Coating (3H) Anti-glare |
| MTBF | 50,000 Hr. (Minimum), Landscape |
| VIDEO | |
| Max Input Resolution | 1920 x 1080@ 60Hz (Analog/Digital) |
| | 1920 x 1080 @ 60Hz (Digital-Recommended) |
| Recommended Resolution | 1920 x 1080 @ 60Hz (Analog/Digital) |
| H-Scanning Frequency | 30 ~ 68kHz |
| V-Scanning Frequency | 56 ~ 60 Hz |
| Pixel Frequency | 108 MHz (D-Sub) |
| Video Input | RGB Analog/Digital |
| CSM | 6500K / 9300K / User |
| REAR INPUTS | |
| Component Video | No |
| PC Input via 15-Pin Sub "D" | |
| Input/Output | 1 / 1 |
| Composite Video Input/Output | No |
| Audio Output | 1 |
| Audio Inputs | PC to Board (internal/head phone) |
| HDTV Formats | No |
| PC Formats | WXGA |
| HDMI/DVI with HDCP | DVI (only), without HDCP |
| RS-232C Input/Output | 1 / 1 |
| S-Video | No |
| Audio Jack Built-in (No Amp) | Yes |
| Discrete IR Input | Yes |
| External Speaker Out | Yes |
| AUDIO | |
| Auto Volume Limiter | Yes |
| Audio Power | 20W (10W x 2) |
| Balance | Yes |
| SSM | Flat / Music / Movie / Sports / User |
| CONTROLLER | |
| CPU | Celeron M 430 (1.86G) |
| Main Chipset | Intel 82945PM ICH7-M Base |
| Memory | DDR II 667 512MB |
| Video chip | ATI M64-M (X1450) |
| Video RAM | over 128MB, GDDR3 |
| Ethernet | 10/100 MB /1Gbit |
| HDD (PC) | P-ATA 2.5" 80GB |
| Interface | RGB-Out, Audio Line Out, SPDIF USB2.0 x 4, RJ45, RS-232C x 2 |
| OS | Open |

| SPECIAL FEATURES | |
|--|---|
| Advanced Picture In Picture | No |
| New Temperature Sensor | No |
| New Lamp Fault Sensor | No |
| New Split Zoom (Self Video Wall, Max 4 x 4) | Yes |
| Image Zoom | No |
| Source Selection | Analog (RGB) / DVI |
| Brightness/Contrast | Yes |
| Color | 6500K / 9300K User Control (R/G/B) |
| Position | H / V |
| Tracking | Auto / Clock / Phase |
| Setup | Language(English/French/Spanish/ Italian/German/Portuguese/Korean) |
| Special | PC Control, OSD Lock |
| Mute | Yes |
| Child Lock | Yes |
| CABINET | |
| Color | Black / Silver |
| Dimension (WxHxD) | Monitor 39.2" x 23.1" x 4.7" |
| | Weight 71.88 lbs. |
| | Monitor with Optional Stand 39.2" x 26.6" x 11.5" |
| | Weight 78.28 lbs. |
| | Monitor w/Opt. Stand & Speaker 44.4" x 26.6" x 11.5" |
| | Carton Dimensions 42.0" x 29.8" x 14.5" |
| | Packed Weight 84.88 lbs (with Stand) |
| VESA™ Standard Mount Interface | 600 mm x 400 mm |
| UPC | 7 19192 18482 4 |
| POWER | |
| Power Supply | 100-240V~, 50/60Hz |
| Power Type | Built-In Power |
| Power Switch Type | Tact Switch |
| Power Saving | |
| | Normal 270 W |
| | Stand-by/Suspend 15W (RGB) / 50W (with PC) |
| | DPM Off 15W (RGB) / 50W (with PC) |
| | Switch Off 5 W |
| STANDARD (CERTIFICATION) | |
| Safety | UL / c:UL / CB scheme / TUV / NEMKO |
| EMC | FCC Class "B"/VCCI/C-tick/GOST/CE /MIC |
| SERVICE/LIMITED WARRANTY | |
| Monitor Limited Warranty | 3-years Parts/Labor |
| Controller Limited Warranty | 1-year Parts/Labor |
| OPTIONAL ACCESSORIES | |
| Stand (ST4210K) | UPC 7 19192 17192 3 |
| Speakers (SP4210K) | UPC 7 19192 17191 6 |

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SPEC_M4210D-B21_040807_PR



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