32-inch diagonal LCD display
TH-32LHD7UY

Panasonic
ideas for life
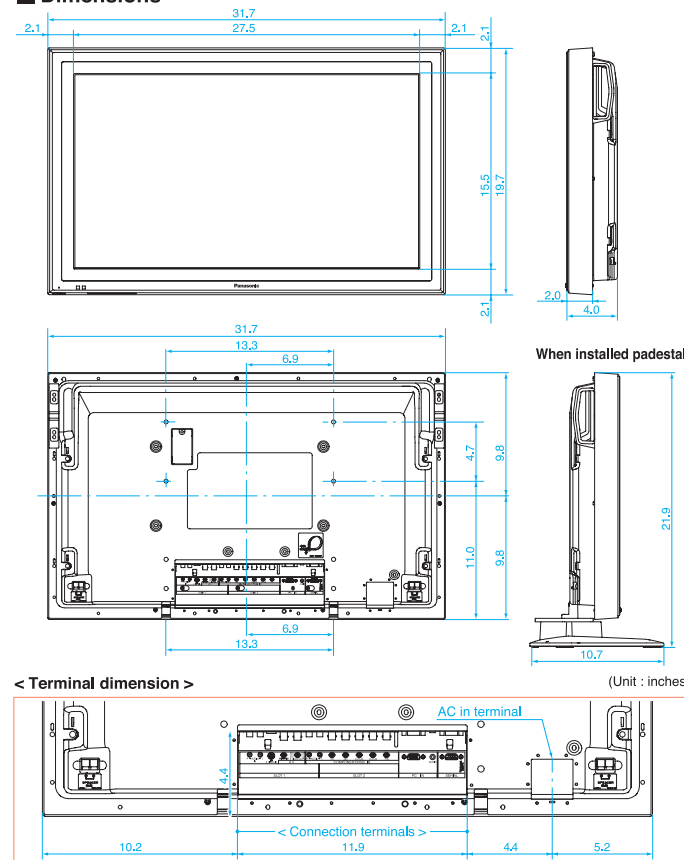
■ Specifications

	TH-32LHD7UY
Power Source	120 V AC, 50/60 Hz
Power Consumption	(Max) 234 W Power off condition : 0.2 W
	Stand-by condition : 0.6 W (STANDBY SAVE ON)
	0.8 W (STANDBY SAVE OFF)
Speakers	16 W (8 W + 8 W) (max. output)
LCD Display panel	a-Si TFT active matrix Viewing angle : Horizontal 170° Vertical 170° (C/R ≥ 10)
	16:9 aspect ratio
Contrast Ratio	800:1
Screen size	27.4˝ (W) x 15.4˝ (H)
Diagonal	31.5˝
Number of pixels	1,049,088 (1,366 (W) x 768 (H) [4,098 x 768 dots])
Response time	14-msec
Operating condition	Temperature : 32°F — 104°F Humidity : 20 % — 80 % (Non condensation)
Dimensions	31.7˝ (W) x 19.7˝ (H) x 4.0˝ (D) (exclusive of protruding portion)
Mass	37.5 lbs.
Material	Front: Styrene plastic (PS+PPE), Back cover: Metal
EMC Regulations	EN55022 Class B, EN55024, EN55013, EN55020, EN61000-3-2, EN61000-3-3
Connection terminals	
Standard terminal board	• VIDEO OUT(BNC) : 1 V [p-p] (75-ohm)
	• VIDEO IN
	• BNC : 1 V [p-p] (75-ohm or high impedance : Auto-switching)
	• S2 VIDEO (MINI DIN 4PIN) Y : 1 V [p-p] (75-ohm)
	C : 0.286 V [p-p] (75-ohm)
	• AUDIO IN L/R (RCA PIN JACK x 2) : 0.5 V [rms] (high impedance)
	•COMPONENT/RGB
	• Y/G (BNC) : 1 V [p-p] (75-ohm) with sync
	• Pв · Pн/Cв · Cн (BNC) : 0.7 V [p-p] (75-ohm)
	• R/B (BNC) : 0.7 V [p-p] (75-ohm)
	• AUDIO IN L/R (RCA PIN JACK x 2) : 0.5 V [rms] (high impedance)
Fixed specifications	• PC IN (Mini D-sub 15-pin) : XGA : Multi scanning *Corresponding DDC1/2B
	* Horizontal scanning frequency 15 kHz — 110 kHz
	Vertical scanning frequency 48 Hz — 120 Hz
	(Simple indication when display dot exceed XGA standard signal.)
	• Y/G : 1 V [p-p] (75-ohm) with sync
	• Pв · Pн/Cв · Cн : 0.7 V [p-p] (75-ohm)
	• R/B : 0.7 V [p-p] (75-ohm)
	• HD, VD : 1.0 V — 5.0 V [p-p] (high impedance)
	• AUDIO (M3 JACK) L/R : 0.5 V [rms] (high impedance)
	• SERIAL : EXTERNAL CONTROL TERMINAL (D-sub 9-pin), RS-232C (Female)
	• SPEAKER TERMINAL (6-ohm)

*The speaker rating is for one unit. *TH-32LHD7UY has carrying handles.

■ Dimensions

31,7
27,5
2,1
2,1
2,1
15,5
19,7
2,0
4,0
2,1

31,7
13,3
6,9
4,7
9,8
11,0
9,8
6,9
13,3

When installed padestal

21,9

10,7

(Unit : inches)

< Terminal dimension >

AC in terminal

< Connection terminals >

10,2   11,9   4,4   5,2

Cautions : This drawing is not to scale.

Versatile information display and flexible installation options

Introducing
New 32˝ Professional
LCD Display

Have assembly and installation done by a qualified electrician.
Simulated pictures on screen.
Design and specifications are subject to change without notice. Printed in Japan

NA05SL-01

•Photo of LCD screen show simulated image.

Offering excellent picture quality, functionality and expandability. Introducing LCD display that will satisfy all your needs.

Quality

The WXGA-compatible panel and an array of high-picture-quality technologies deliver the sharp, detailed images essential for information display applications.

WXGA-Compatible Panel with Approx. 3.15 Million Pixels
Supporting the high-definition WXGA standard, this 1,366 x 768 pixel LCD panel achieves excellent brightness of 500 cd/m² with high contrast of 800:1 and can display 16.77 million colors. The combined capabilities provide vibrant, finely nuanced images even in brightly lit rooms. The viewing angle of 170° in both horizontal and vertical directions ensures superior legibility over a wide area.

Vertically 170°
Horizontally 170°
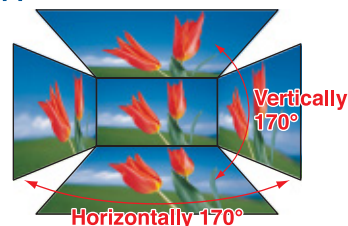
### Approximately 60,000 Hours* of Beautiful Images
The backlight has a service life of up to approx. 60,000 hours,* so you can enjoy stunningly beautiful images for a very long period of time.
* Estimate of amount of time until screen brightness decreases to half the original level. Calculated based on an ambient temperature of 77°F and continuous operation with the brightness set at STANDARD.

Vibrant Colors and Natural Skin Tones — 3D Color Management System
3D Color Management System is a new correction process that works in a three-dimensional color matrix (hue, saturation, and brightness) rather than the conventional two-dimensional color difference plane. By correcting hue and brightness independently and providing finer control, this process delivers vibrant colors and natural skin tones.
Note: The default setting for the 3D Color Management System is OFF.
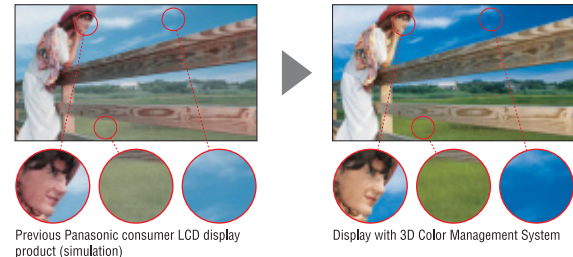
Previous Panasonic consumer LCD display product (simulation)
Display with 3D Color Management System

Rapid 14-msec Response Time for Crisp Moving Images with No Blurring
The extremely fast response time of 14 msec means that moving images appear sharp and clear, with virtually no afterimages even in scenes showing extremely rapid movement.
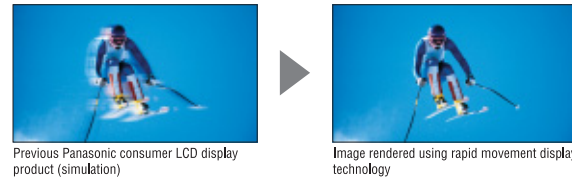
Previous Panasonic consumer LCD display product (simulation)
Image rendered using rapid movement display technology

Better Vertical Resolution — Active I/P Conversion
The Active I/P (Interlace/Progressive) Conversion system detects slow movements more precisely by increasing the range for detecting moving-picture and still-picture pixels. This reduces I/P conversion noise that often occurs when reproducing tiny movements, thereby producing crisper images while raising the vertical resolution in interlaced images.

Previous Panasonic consumer LCD display product (simulation) (Noise is visible at diagonal edges.)
Display with Active I/P Conversion

Other Functions for Enhanced Picture Quality
•**Mach Enhancer** for more natural edge correction •**Digital Cinema Reality**[1] for faithful reproduction of film source material. •**C.A.T.S. (Contrast Automatic Tracking System)**[2] for automatic control of the display brightness to match the ambient illumination level. •**Adaptive Contrast AGC**[3] for emphasized average brightness with extended white levels.

Notes : [1]. The Digital Cinema Reality function is initially turned off by default. [2]. C.A.T.S. (Contrast Automatic Tracking System) is initially turned off by default. [3]. The Adaptive Contrast AGC is initially turned off by default.
•Pictures showing comparisons with previous Panasonic products are simulated images for explanatory purposes only.
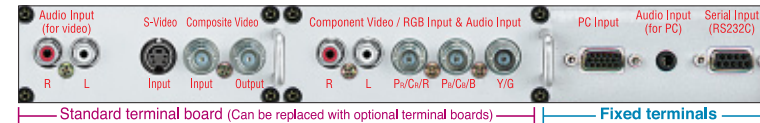
Convenience

The Full Range of Convenient Functions You'd Expect in a Display for Commercial Applications.

Two Different Images on One Screen — Dual Picture Mode
You can simultaneously display images from any two different kinds of AV sources connected. Or, adding one of the optional terminal boards lets you display images from two of the same type of image source, such as two PCs or two DVD players. This function allows you to take full advantage of the LCD's large screen.
•Changing the display mode or switching between full-screen and sub-screen pictures is simple using the remote control.

Single picture
Picture-And-Picture mode splits the screen in half and shows different pictures on each half.

Press the MULTI PIP button to change the display mode.
MULTI PIP SWAP SELECT ZOOM MOVE

Picture-In-Picture mode superimposes a small sub-screen picture over a full-screen picture.
Picture-Out-Picture mode displays a small picture on the right side of the screen.

Up to 4x Enlargement of Image Zones — Digital Zoom
This function lets you enlarge a portion of an image by up to four times normal size and display it on the full screen. Use this function to give your presentations greater impact.
* Digital Zoom does not work in Dual Picture mode. Images of SXGA resolution or higher from a PC or RGB source may not enlarge correctly. Some degradation occurs when images are enlarged.

1x   4x

Energy-Saving Functions
A broad range of environment-friendly functions help minimize energy consumption.
• **DPMS (Display Power Management Signaling)**
Power is automatically turned on or off in response to a sync signal from the PC connected to the built-in PC input terminal.
• **Auto Power Off**
When you're using a device connected to the multi-function slots, the display panel goes into standby mode after about 10 minutes if no sync signal is received.
• **Power Save Mode**
Reduces the display's brightness.
• **Standby Power Save Mode**
Reduces power consumption when on standby. (Start-up may take a few moments once the display is in this mode.)

ENERGY STAR

Additional Convenient Functions
•**OSD** menus in **8 languages.** •**Carrying Handles** (removable) on back of the display unit makes placement and repositioning easy. •The display features a noise-suppressing **silence design.**

Expansion

Multi-Function Slots and an extensive selection of Optional Terminal Boards make flexible customization of the display a snap.

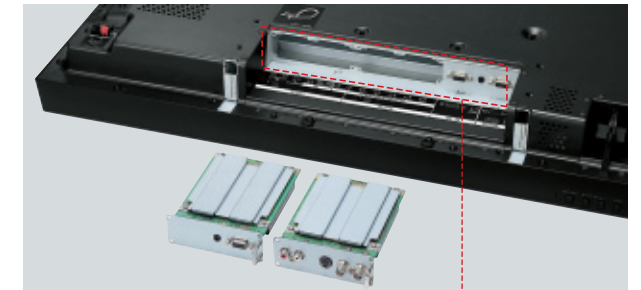### Multi-Function Slots to Facilitate Customization of Capabilities
In addition to the fixed input interface, the Panasonic LCD has two interchangeable slots that let you add different combinations of optional terminal boards. This gives you the flexibility to add digital or analog capabilities, as necessary, and to customize your system for specific needs.

Standard terminals
Audio Input (for video) — R L — S-Video Input — Composite Video Input — Output — Component Video / RGB Input & Audio Input — R L Pr/Cr/R Pb/Cb/B Y/G — PC Input — Audio Input (for PC) — Serial Input (RS232C)

Standard terminal board (Can be replaced with optional terminal boards) — Fixed terminals
Slot-type terminals

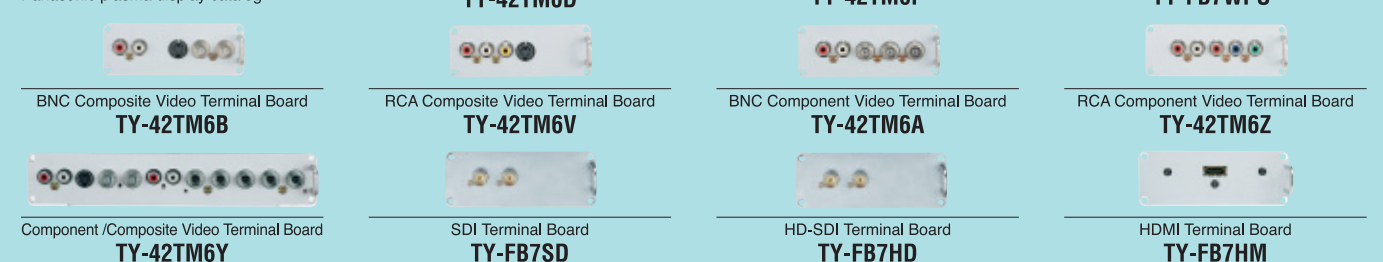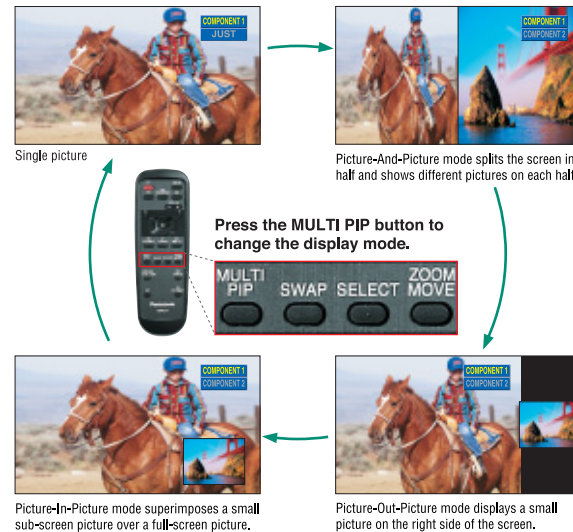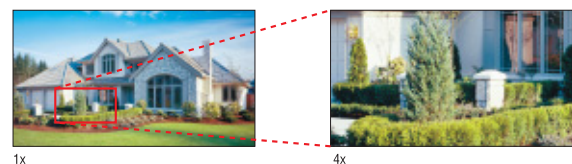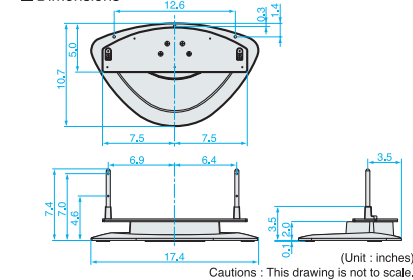The characters in red are added for explanation.

•Multi-Function Slots on this Model
This model comes with the standard terminal boards mounted in slots 1 and 2. You can remove the standard boards and mount one or two optional boards.

Slot 1   Slot 2

Optional Terminal Boards
For detailed information on optional terminal boards, refer to the relevant Panasonic plasma display catalog.

RGB (Digital) Terminal Board (DVI-D w/HDCP)
TY-42TM6D

PC Input Terminal Board
TY-42TM6P

Wireless Presentation Board
TY-FB7WPU[*]

BNC Composite Video Terminal Board
TY-42TM6B

RCA Composite Video Terminal Board
TY-42TM6V

BNC Component Video Terminal Board
TY-42TM6A

RCA Component Video Terminal Board
TY-42TM6Z

Component /Composite Video Terminal Board
TY-42TM6Y

SDI Terminal Board
TY-FB7SD

HD-SDI Terminal Board
TY-FB7HD

HDMI Terminal Board
TY-FB7HM

*TY-FB7WPU board only compatible in slot 1.

Options

•Pedestal
Pedestal
TY-ST32L7-K
■ Dimensions

•Wall-hanging bracket (angled)
Wall-hanging bracket (angled)
TY-WK32LR1S
■ Dimensions

LCD Display Dimension
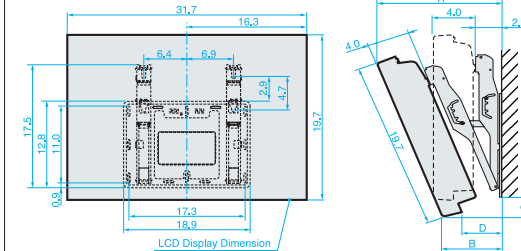
Angles		0°	5°	10°	15°	20°
	A	6.5	8.1	9.5	11.0	12.3
	B	6.5	6.4	6.3	6.1	5.8
	C	0.1	0.4	1.0	1.4	1.9
	D	4.5	4.3	4.2	4.0	3.8

(Unit : inches) Cautions : This drawing is not to scale.

•Detachable Stereo Speakers
Detachable Stereo Speakers
TY-SP32L7W-K
■ Specifications

	TY-SP32L7W-K
Mass	4.2lbs.
Dimensions	4.0˝ (W) x 19.7˝ (H) x 4.0˝ (D)
Configuration	2-way, 3-speaker
Rated input	8W
Rated impedance	6Ω
Environment	Temperature: 32°F – 40°F Humidity : 20 – 80% (Must be no condensation)
Accessories	•Mounting bracket •Bracket mounting screw •Sponge •Speaker cable

*The speaker rating is for one unit.

•To install the LCD display, it is necessary to use our optional dedicated fixture (sold separately). •Design and specifications are subject to change without notice.