

Specifications

	High Definition Plasma Display	High Definition LCD Displays	
	TH-42PRT12U	TH-37LRT12U	TH-32LRT12U
DISPLAY			
Screen Size (Diagonal)	41.6-inch (1,057 mm)	37.0-inch (940 mm)	31.5-inch (800 mm)
Aspect Ratio	16:9	16:9	16:9
Effective Display Area (W x H)	36.2" x 20.3" (922 x 518 mm)	32.2" x 18.1" (819 x 460 mm)	27.5" x 15.4" (698 x 392 mm)
Number of Pixels (H x V)	1,024 x 768 pixels (1 pixel=3 cells for R, G and B)	1,366 x 768 pixels	1,366 x 768 pixels
Contrast Ratio	30,000:1	1,100:1	1,100:1
Gradation	5,120 steps (equivalent)	—	—
Brightness	—	500 cd/m ²	480 cd/m ²
Viewing Angle	—	Horizontal:178°, Vertical:178°	Horizontal:176°, Vertical:176°
Response Time	—	7 ms	8.5 ms
APPLICABLE SIGNALS			
Scanning Rate	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM
	525 (480) / 60i · 60p, 625 (575) 50i · 50p, 750 (720) / 60p · 50p, 1125 (1080) / 60i · 60p · 50i · 50p	525 (480) / 60i · 60p, 625 (575) 50i · 50p, 750 (720) / 60p · 50p, 1125 (1080) / 60i · 60p · 50i · 50p	525 (480) / 60i · 60p, 625 (575) 50i · 50p, 750 (720) / 60p · 50p, 1125 (1080) / 60i · 60p · 50i · 50p
PC Signal Compatibility	VGA, SVGA, XGA	VGA, SVGA, XGA	VGA, SVGA, XGA
	Horizontal scanning frequency 31.469 - 60.023 kHz Vertical scanning frequency: 56 - 85 Hz	Horizontal scanning frequency 31.469 - 60.023 kHz Vertical scanning frequency: 56 - 85 Hz	Horizontal scanning frequency 31.469 - 60.023 kHz Vertical scanning frequency: 56 - 85 Hz
INPUT / OUTPUT			
HDMI Input	TYPE A Connector x 1 (Side), x 2 (Rear)	TYPE A Connector x 3 (Side)	TYPE A Connector x 3 (Side)
S-Video Input	Mini Din 4-pin x 1 (Side), x 1 (Rear)	Mini Din 4-pin x 2 (Side), x 1 (Front)	Mini Din 4-pin x 2 (Side), x 1 (Front)
Composite Input	RCA x1 (Side), x1 (Rear)	RCA x 2 (Side), x 1 (Front)	RCA x 2 (Side), x 1 (Front)
Audio Input (L/R)	RCA pin jack (L/R) x 1 (Side), x1 (Rear)	RCA pin jack (L/R) x 2 (Side), x 1 (Front)	RCA pin jack (L/R) x 2 (Side), x 1 (Front)
Component Input	RCA x 1 (Rear)	RCA x 1 (Side)	RCA x 1 (Side)
Audio Input (L/R)	RCA pin jack (L/R) x 1 (Rear)	RCA pin jack (L/R) x 1 (Side)	RCA pin jack (L/R) x 1 (Side)
PC Input	Mini D-Sub 15-pin x 1 (Female)	Mini D-Sub 15-pin x 1 (Female)	Mini D-Sub 15-pin x 1 (Female)
Audio Input	M3 JACK x 1	M3 JACK x 1	M3 JACK x 1
Serial	D-Sub 9-pin x 1 (External control terminal), RS-232C Compatible	D-Sub 9-pin x 1 (External control terminal), RS-232C Compatible	D-Sub 9-pin x 1 (External control terminal), RS-232C Compatible
Audio out	RCA pin jack (L/R) x 1 (Rear)	RCA pin jack (L/R) x 1 (Side)	RCA pin jack (L/R) x 1 (Side)
32 Pinconnector	32-pin x 1 (Rear)	32-pin x 1 (Rear)	32-pin x 1 (Rear)
ELECTRICAL			
Power Requirements	110- / 127 V AC, 50 Hz/60 Hz	120-127 V AC, 50 Hz/60 Hz	
Power Consumption	286 W	190 W	155 W
Stand-by Condition	Under 1.0 W	1.0 W	1.0 W
SOUND			
Speaker			
Audio Output	20 W [10W + 10W], 10%THD	20 W [10 W + 10 W], 10 % THD	20 W [10 W + 10 W], 10 % THD
MECHANICAL			
Dimensions (W x H x D)	40.5" x 26.0" x 3.7" (1,029 x 661 x 94 mm) (4.3" (109 mm) when including protruding portion of power button)	37.4" x 24.0" x 3.9" (949 x 608 x 97 mm) (4.1" (104 mm) when including protruding portion of power button)	32.4" x 21.3" x 3.9" (821 x 539 x 97 mm) (4.2" (106 mm) when including protruding portion of power button)
Dimensions (W x H x D) w/Pedestal	40.6" x 27.7" x 13.1" (1,029 x 704 x 334 mm)	37.4" x 25.6" x 12.1" (949 x 650 x 307 mm)	32.4" x 23.0" x 9.3" (821 x 584 x 236 mm)
Weight	approx. 57.8 lbs. (26.2 kg)	approx. 39.7 lbs.(18.0 kg)	approx. 30.9 lbs.(14.0 kg)
Weight w/Pedestal	approx. 62.2 lbs. (28.2 kg)	approx. 47.4 lbs.(21.5 kg)	approx. 36.4 lbs.(16.5 kg)
Cabinet Color	Black	Black	Black
ENVIRONMENTAL			
Operating Environment			
Temperature	32°F to 104°F (0 °C to 40 °C)	32°F to 104°F (0 °C to 40 °C)	32°F to 104°F (0 °C to 40 °C)
Humidity	20 % to 80 % (Non Condensation)	20 % to 80 % (Non Condensation)	20 % to 80 % (Non Condensation)
SAFETY REGULATIONS			
	UL6500 (7th), Ver.2, NOM approval	UL6500 Ver.2, NOM approval	UL6500 Ver.2, NOM approval
RADIATION REGULATIONS			
	FCC Part 15 Class-B, ICES-003, NOM approval	FCC Part 15 Class-B, ICES-003, NOM approval	FCC Part 15 Class-B, ICES-003, NOM approval

Panasonic Professional Plasma Displays



Panasonic Professional Display Company

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Have assembly and installation done by a qualified electrician.
Simulated pictures on screen.

Specifications are subject to change without notice. Printed in Japan

TH-CT09H-U01

Panasonic

ideas for life



Hospitality Plasma and LCD Displays for Hotels & Resorts

Panasonic ideas for life

IP Network Solution for Hospitality

IP network-compatible displays give you much more than viewing enjoyment. They also serve as an interface for connecting guestroom devices of all kinds. They meet a wide range of hotel needs, including equipment control, security management and, all of course, with stunningly beautiful images. While boosting customer satisfaction, Panasonic displays improve virtually all hotel operations.



IPTV
Guest User Interface
Customized Contents

Air conditioning

Door lock

Curtain control

Lighting control

Security

Energy Management

Centralized Control

In-Room Control

Customer Satisfaction

Stores

Bars & Restaurants

Front Desk

Casino

There's a Major Shift Underway from Conventional RF Systems –which Only Distribute Video Programs– to IP Network Solutions That Provide Total Property Management

IP Network Solution Advantages

An IP network integrates television, and network connections. In addition to distributing video images for a wide variety of TV programming, it also allows guests to control the room temperature, lighting, door locks, and other functions directly from the TV screen. For hotel management, it offers centralized control of all these functions over the IP network, so increases guestroom security and adds to operating convenience, all while lowering the total cost.

Panasonic Introduces the Industry's First IP-Integrated hospitality TV

Panasonic has achieved an industry first with the introduction of the IP-integrated TV for hotels. It can be used in combination with a conventional RF system, thereby lowering costs for hotels planning to shift to an IP network.

IP Network Solution

Panasonic's IP Advantages: Integrated IP and Hybrid TV Solution

Panasonic's digital tuner card provides high-definition IPTV functions. The tuner card mounts directly into the display's rear panel, so there's almost no need for additional cables. And in addition to the standard IPTV function, the optional DT version of the tuner card allows RF connectivity as well. With it, you can continue to use your present RF system, and then switch to an IP system in the future without ever having to make changes to the tuner card. All you need to do is switch the cable to start distributing HD images. Also, both IP and RF inputs can be channel-mapped into a single install. For example, VOD could be over IP and free-to-guest programming could be over RF.

-Main Features of the Digital Tuner Card-

- ◆ Interfaces with major IP head-end systems
Links directly to major IP head-end systems for versatile system use.
- ◆ DT version provides an IP/RF hybrid system
This tuner card supports both IP and RF systems.
- ◆ Fully integrated



Digital Tuner Card with Pro:Idiom
DTB-2000/DT
For 32, 37, 42-inch 12-series Hospitality Models

- IP Protocols: UDP, RTP, RTSP
Tuner*: QAM/8VSB/NTSC
- Video codecs: MPEG-2, MPEG-4, H.264
Audio codecs: MPEG-1, AC3, MP3, AAC
Decryption: Pro:Idiom (RF), Verimatrix (IP)
- Inputs: Ethernet, F-Connector (Coax)*, PPV Control, Serial Control
Output: HDMI
Other: Service port
- * optional - must order DTB-2000DT



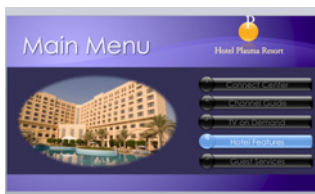
Digital Tuner Card with Pro:Idiom
IMP-2000/DT
For 11 Series Hospitality Models and 42- 103-inch Professional Displays

- IP Protocols: UDP, RTP, RTSP
Tuner*: QAM/8VSB/NTSC
- Video codecs: MPEG-2, MPEG-4, H.264
Audio codecs: MPEG-1, AC3, MP3, AAC
Decryption: Pro:Idiom (RF), Verimatrix (IP)
- Inputs: Ethernet, F-Connector (Coax)*, PPV Control, Component, Composite, L/R Audio, HDMI(x2), Serial
Outputs: S/PDIF, Analog Audio L/R
Other: USB, Service port
- Pro:Idiom hardware decryption*
- * optional - must order IMP-2000DT

Locally Stored Customized Content

Interactive channel guide

Hoteliers can create and display a channel guide with an original hotel screen design.



Proprietary content

Welcome messages, guest messages, and original hotel advertisements can be shown on room displays. These images are highly visible, so guests are sure to receive them.

- Local ads
- Welcome messages with brand logos
- Personal messages



Interface to In-Room Control System

The room's air conditioning, lighting, and other equipment can be operated by remote control while watching instructions on the display. The display screen that serves as the graphical user interface (GUI) can also be customized to suit the equipment that's being operated and to make operation easier.

- Customized GUI for easy control

Future Proof for Seamless Migration (RF→IP)

This tuner card allows for a smooth transition from an RF system to an IP system for users who want to switch to an IP network step by step. The same display can be used in the future when the IP network is in place.

- IMP-2000 for retrofitting RFTV (i.e., 11 Series with IMP-1200/1500)
- DT (digital tuner) version for RF today, but ready for IP in the future
- Hybrid install (i.e. VOD over IP, free-to-guest over RF)

Compatible Head-end Systems



Conventional RF Solution

A tuner card is available to allow you to continue using your conventional RF system.



-Main Features of the Digital Tuner Card-

- ◆ Compatible with the RF Pro:Idiom System
- ◆ Fully Integrated, but interchangeable for future upgrade



Digital Tuner Card with Pro:Idiom
DTB-1510
For 12-series Hospitality Models

- Tuner: QAM/8VSB/ NTSC
- Video codecs: MPEG-2, MPEG-4, H.264
Audio codecs: MPEG-1, AC3, MP3, AAC
Decryption: Pro:Idiom
- Inputs: RF, PPV Control, Serial Control , IR
Output: HDMI
Other: Service port



Digital Tuner Card with Pro:Idiom
IMP-1500
For 11 Series Hospitality Models and 42- 103-inch Professional Displays

- Tuner: QAM/8VSB/ NTSC
- Video codecs: MPEG-2, MPEG-4, H.264
Audio codecs: MPEG-1, AC3, MP3, AAC
Decryption: Pro:Idiom
- Inputs: RF, Composite, L/R Audio, PPV Control, Serial Control , IR
Output: S/PDIF Analog Audio L/R
Other: Service port

Solution Peripherals

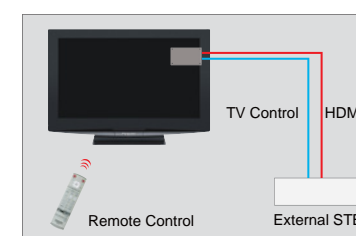


MATE Interface Card with Dual HDMI
TY-FB11HB
for 11 Series Hospitality Models and 42-103-inch Professional Displays

Interfacing with external STB device for serial communication and IR pass thru
All display sizes can be converted to IPTV by STB connection.

MATE Interface Module
DTB-COMM
for 12 Series Hospitality Models

Interfacing with external STB device for serial communication and IR pass thru



Hotel System Server
HSS1000

- Remote cloning and firmware updates from the head-end system for efficient installation and maintenance.
- Authenticates Pro:Idiom for a free-to-guest system



Clone Box
HDC1000

- This allows room TVs to be set up with a single operation. Channel data and other TV settings are made by simply connecting a data cable.

Compatible with guest connectivity devices

i.e., TeleAdapt, guestLINK, etc.

Media connectors such as TeleAdapt are fully supported. Guests enjoy the convenience of being able to easily connect personal devices such as a PC or digital camera directly to their own room display.

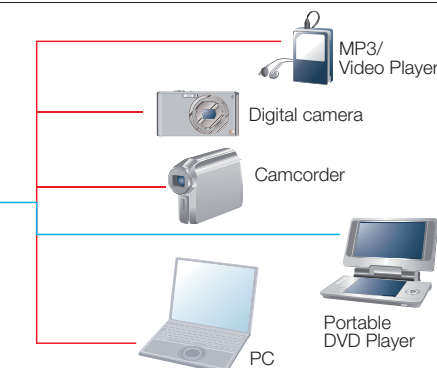
Media Connectivity



Intelligent Media Connector

teleadapt
Keeping Your World Connected™
Tel: +1 877 835 3232
email: info@teleadapt.com www.teleadapt.com

The Intelligent Media Connector automatically recognizes the connected devices, and displays them without having to switch the input with the remote control.



Panasonic HD Displays for Hospitality

New LCD Line-up

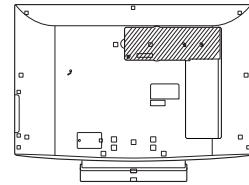


32-inch model
TH-32LRT12U
High Definition Hospitality LCD Display

- High performance LCD
- Ample fixed terminal inputs including front panel I/O.
- Most popular sizes for guest rooms

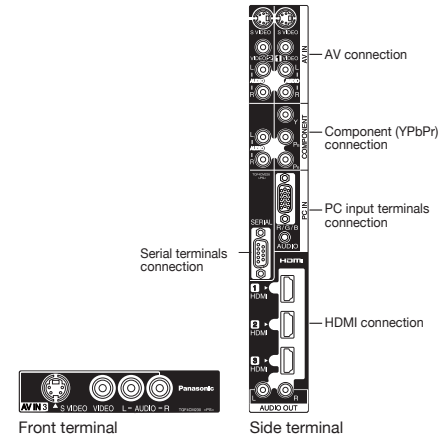


37-inch model
TH-37LRT12U
High Definition Hospitality LCD Display



"Set Back Box" design to support integrated tuner solutions

Because the tuner card mounts directly into the display's rear panel, there are fewer cables involved and the room interior remains neat and uncluttered.

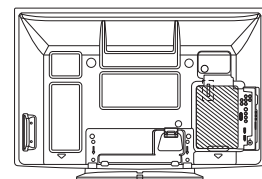


New 42-inch Plasma Display



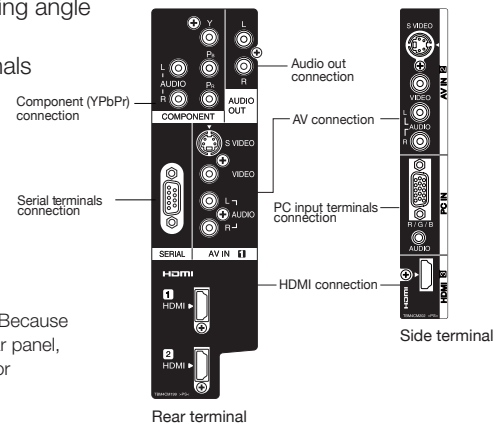
42-inch model
TH-42PRT12U
High Definition Hospitality Plasma Display

- Plasma Advantages**
- Deep Black, High Contrast
 - Uncompromised viewing angle
 - Durability
 - Ample fixed I/O terminals



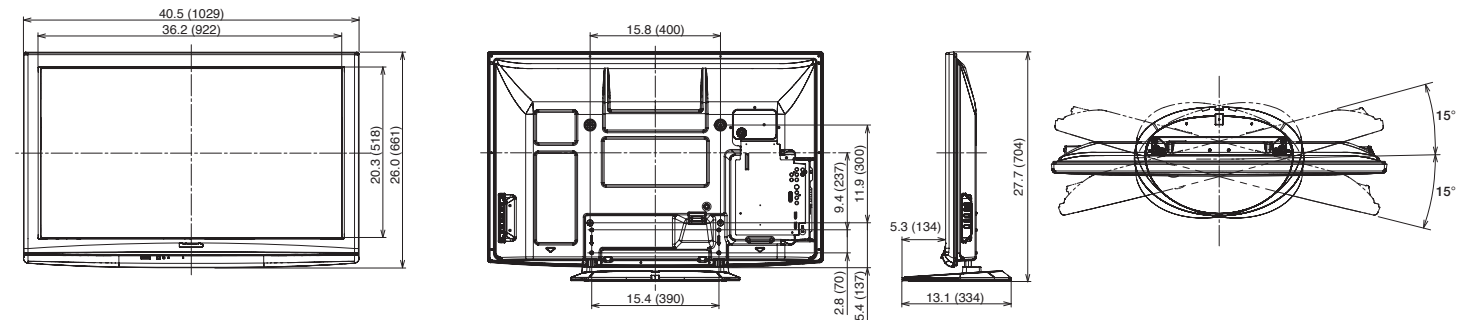
"Set Back Box" design to support integrated tuner solutions

Tuner cards mount to the rear panel of the display. Because the tuner card mounts directly into the display's rear panel, there are fewer cables involved and the room interior remains neat and uncluttered.

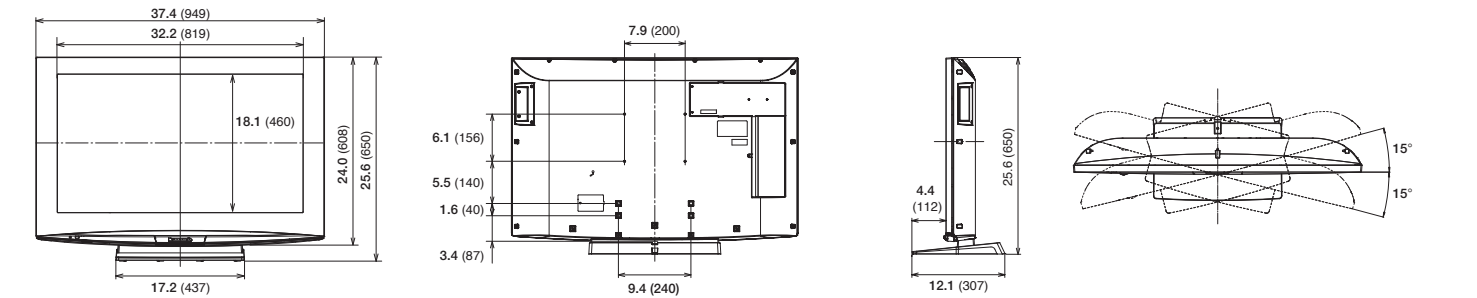


Dimensions (Unit: inch (mm))

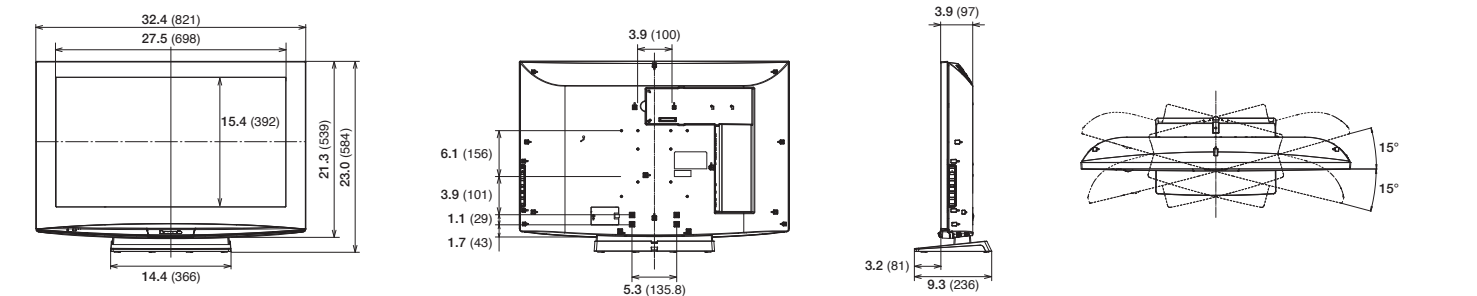
TH-42PRT12U



TH-37LRT12U



TH-32LRT12U



Optional Brackets

For Plasma Display

Wall-Hanging Bracket (Angled)



TY-WK4P1RW

For LCD Display

Wall-Hanging Bracket (Angled)



TY-WK32TM1

Wall-Hanging Bracket (Vertical)



TY-WK32TM2