Panasonic ideas for life

PT-FW100NTA LCD Projector

Long-Lasting Brightness

Market Forecast

2010
3% 11% 20% 18% 48%

2011
6% 16% 44% 32%

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3% 11% 20% 18% 48%
With its outstanding flexibility, the PT-FW100NTEA makes an ideal replacement for existing ceiling-mounted systems. It requires little maintenance after installation, so total cost of ownership is low.

A Bright Choice for New Installations and Replacement Use

**Auto Rolling Filter (ARF) and Anti-Dust Design**

A Micro Cut Filter, a high-efficiency electrostatic filter, with superior dust-collecting performance combines with Panasonic’s original Auto Rolling Filter and anti-dust design to minimise brightness loss due to dust accumulation. The Auto Rolling Filter periodically winds the used section into the casing so that a fresh section of filter is exposed. Thus, peak performance is maintained. In developing the anti-dust design, Panasonic totally re-engineered the airflow path, from intake to exhaust, to create a cabinet that hermetically seals off the projector interior. This design and the Auto Rolling Filter team up to keep the air inside the projector dust-free at all times.

![Auto Rolling Filter Diagram](image)

**Micro Cut Filter**

A high-efficiency electrostatic filter in the air intake section traps dust particles that are 1 microns* or larger. By capturing approximately 7 times as much dust as our previous filters, it guards against optical blocks and reduces the penetration of dust into the interior to provide stable operation by preventing drops in brightness.

![Dust Size Chart](chart)

**New Drive System for Optimal Lamp Performance**

Lamps used in a projector require much higher precision than ordinary household lamps. Panasonic employs a number of new technologies—including a new drive system—that help maintain optimal lamp performance for longer-lasting brightness.
The PT-FW100NTEA is a high-performance LCD projector designed for use in fixed installations. It combines Panasonic’s original Auto Rolling Filter with a new lamp drive system to deliver crisp, bright images over extended periods of time. The PT-FW100NTEA features 0.74-inch diagonal high-performance LCD panels that enable large-screen projection of wide-aspect image sources. Both wireless and wired LAN functions respond to a variety of applications. The PT-FW100NTEA also offers outstanding installation flexibility, with a 2x zoom lens and lens shift that accommodate everything from permanent ceiling-mounted use to simple placement on a shelf. Whether you’re looking to install a new system or considering a replacement, Panasonic answers the call for projectors that provide long-lasting brightness, simple maintenance, and easy, casual use even in fixed installations.

The projector can also be set on a shelf at the back of the room, greatly simplifying installation. Thanks to the wireless LAN function, you can set up a system using multiple PCs quickly and easily.
Daylight View 3 Technology: Enhanced Perception of Brightness and Contrast*

The PT-FW100NTEA features Panasonic’s Daylight View 3 technology, which uses an adaptive low-pass filter to optimise the dark parts of the image. This makes images seem brighter and higher in contrast, so they appear crisp, vivid and easy to see even in brightly lit rooms. Daylight View 3 also includes a built-in ambient light sensor that automatically detects room brightness and adjusts operation accordingly.

Simulated image with Daylight View 3 turned on. The brightness and contrast over the entire image appear to be enhanced, and details in shadow areas are reproduced clearly.

Simulated image with Daylight View 3 turned off. Overall contrast appears lower, and images in dark areas are blackened.

Side-by-Side Function

The PT-FW100NTEA can simultaneously display images from two sources* onto a single screen. For example, you can display a PC image on the right and a video image on the left. Taking advantage of the PT-FW100NTEA’s wide-screen projection, this function gives you a host of new application possibilities to explore.

* This function is not effective for some source combinations.

Wide Images

The PT-FW100NTEA features wide-aspect LCD panels, which allow native reproduction of WXGA (1,280 x 800) images from a computer. This provides a visually powerful display of wide-screen images from DVD sources, as well as wide-screen images from wide-aspect computers, which will soon be the mainstream.

When projecting images from a source with a wide aspect ratio onto a 4:3 screen, the projector reduces the image to use only 75% of the screen area. Also, wide-screen projection makes it possible to display larger images where the room for the screen height is limited.

Easy Wireless Projection from Multiple PCs

With the PT-FW100NTEA’s wireless capability, you don’t need cables to connect a PC. That means it’s easy to bring in a laptop (with a wireless LAN function) and deliver a smooth, hassle-free presentation. You can make the settings for wireless connection quickly and easily using Wireless Manager ME 4.5 software. When the presentation is finished, Wireless Manager restores the PC to its previous LAN settings, so the PC is ready to reconnect to your LAN. Wireless Manager functions include Live mode and Multi-Live mode. In Live mode, the image projected is identical to the image seen on the PC screen. In Multi-Live mode, you can wirelessly connect with multiple PCs.

Windows Vista™/Macintosh Compatibility

Wireless Manager ME 4.5 is Microsoft® Windows Vista™ compatible, and also allows wireless projection (in Live mode only) from a Macintosh computer running Mac OS X (v10.4 or later).
Wide 2x Zoom and Horizontal/Vertical Lens Shift Give You More Installation Flexibility
The PT-FW100NTEA can project a 120-inch wide-aspect image from any distance between 3.5 m (11.5 feet) and 7.1 m (23.1 feet). In new installations, this lets you accommodate a wide range of room sizes and shapes. When replacing existing projectors, the 2x zoom greatly expands your installation flexibility.

Wired LAN: Web Browser Control/Monitoring, E-Mail Message Alert
Anybody can operate the PT-FW100NTEA by remote control or monitor its status over a LAN network, because it is all done using the computer’s familiar web browser. Furthermore, the projector sends an e-mail message to notify the operator when an error has occurred, or a lamp needs to be replaced.

PJLink™ compatibility
The LAN terminals support PJLink™ class 1 connection. Control with the same specifications is also possible when used in a multi-projector system with projectors of another brand.

Direct Power Off
Because the cooling fan keeps operating until the lamp is cooled, you can turn off the room’s main power without waiting for the projector to cool down.

Easy Lamp Replacement from the Rear
For easier maintenance, you can replace the lamp from the rear. The lamp is easily replaced even after the projector is installed on the ceiling.

Abundant connection terminals
Designed for versatility, the PT-FW100NTEA comes equipped with a host of connection terminals. The RS232C specifications are the same as in previous Panasonic models, so replacement is quick and easy.

Easy-to-Use Remote Control with Laser Pointer
The supplied remote control features a number of wireless projection controls, including Microsoft® PowerPoint® page up/down capability. The control range and distance have been extended, and the buttons are now larger and easier to use.

Other Valuable Features
• Anti-theft features: Security anchor, user password, control panel lock and text superimposing
• HDTV compatibility
• Full compatibility with sRGB colour space for accurate colour reproduction (in natural mode)
• Picture mode selection (standard/dynamic/natural)
• Blackboard mode allows you to project images onto an ordinary classroom or conference room blackboard
• Shutter function for image/sound muting
• Selectable 17-language onscreen menu

Ecology-Conscious Design
Panasonic works from every angle to minimise environmental impact in the product design, production and delivery processes, and in the performance of the product itself over its life cycle. The PT-FW100NTEA Series reflects the following ecological considerations.
• Lead-free solder is used to mount components to the printed circuit boards.
• No halogenated flame retardants are used in the cabinet.
• No styrofoam is used in the packing materials.
• Lead-free glass is used for the lens.
• The packing case and operating manual are made from recycled paper.
**Specifications**

**Power supply**
- 100–240 V AC, 50/60 Hz

**Power consumption**
- 350 W (Approx. 4 W in standby mode with fan stopped)

**LCD panel**
- Panel size: 0.74˝ (18.8 mm) diagonal
- Active matrix
- Drive method: Transparent LCD panel (x 3, R/G/B)
- Pixels: 1,024,000 (1,280 x 800) x 3, total of 3,072,000 pixels

**Pixel configuration**
- 80%

**Display technology**
- Manual zoom (1:1–1.2), manual focus, F 1.7–2.6, 21.6–43.0 mm

**Lamp**
- 250 W UHM™ lamp

**Projection size**
- 33–300 inches/838–7,620 mm
- Full colour (16,777,216 colours)

**Projection distance**
- (16:9 aspect ratio)
- 2-2/32˝ 8-3/8˝
- 2-3/4˝ 12-9/16˝

**Native resolution**
- 1024 x 768 pixels

**Dimensions**
- (W x H x D)
  - Standard: 24.5 x 14.5 x 4.7˝
  - ET-PKF100H: 24.5 x 14.5 x 4.7˝

**Power supply**
- 100–240 V AC, 50/60 Hz

**Power consumption**
- 3.0 W (monaural)

**Operating environment**
- Temperature: 0°C–40°C (32°F–104°F)
- Humidity: 20%–80% (no condensation)

**Interface**
- REMOTE
- SERIAL
- AUDIO OUT
- AUDIO IN (COMPONENT/VIDEO/S-VIDEO)
- COMPONENT IN
- COMPUTER 2 IN/COMPUTER 1 OUT
- VIDEO IN
- RCA pin (L, R) x 1
- Mini DIN 4-pin x 1
- D-sub HD 15-pin x 1

**Speaker**
- 3.0 W (monaural)

**Weight**
- 6.0 kg (13.2 lbs.)

**Supplied accessories**
- ET-RFF100 Replacement filter unit
- ET-LAF100 Replacement lamp unit
- ET-PKF100S Ceiling mount bracket for low ceilings
- ET-PKF100H Ceiling mount bracket for high ceilings

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