Panasonic
ideas for life

PT-FW430 Series
LCD Projectors

PT-FW430EA
PT-FX400EA

Long-Lasting Brightness and Excellent Cost Savings
**Durable Performance**

The Panasonic PT-FW430 Series boasts high performance with minimal maintenance over time. Its highly reliable optical system and dust-resistant structure provide a long operating life. Advanced Panasonic technologies, such as Daylight View Premium, ensure excellent projected images. The PT-FW430 Series models are equipped with many ecology-conscious features, starting with Eco Management functions that reduce wasteful power consumption. These high-quality projectors also support wireless projection from not only PCs but also iPads and other devices for easy use (optional).[^1] Superb installation flexibility, thanks to the 2x zoom lens and horizontal/vertical lens shift, also makes the PT-FW430 Series ideal for both first-time installation and as replacement units.

---

**PT-FW430EA**

- 3,500 lm
- WXGA
- Side-by-Side
- Wireless Function (optional)

**PT-FX400EA**

- 4,000 lm
- XGA
- Wireless Function (optional)

[^1]: The optional Wireless Module ET-WM200E is required.
Reliability and Easy Maintenance

**6,000-Hour Lamp Replacement Cycle**

An original lamp drive system and a more durable new lamp unit help maintain optimal lamp performance for longer-lasting brightness than predecessor models. This has resulted in a 6,000-hour lamp replacement cycle.

**Dust-Resistant Design and an Eco Filter that Needs No Replacement for 12,000 Hours**

Extreme care has been taken in designing the dust-resistant structure inside the PT-FW430 Series cabinet. The lens section, where dust enters, has been protected and separated from the optical block, which is the heart of the projector. Integrated molding of internal cabinet parts has also been increased to further improve sealing performance. The Eco Filter consists of two Micro Cut Filters (electrostatic filters), a pre-filter and a main filter, which use an ion effect to collect extremely small dust particles. The pre-filter has a honeycomb configuration and the main filter is pleated to achieve a large surface area that raises its dust-collecting performance. Thanks to these features, the Eco Filter has a replacement cycle of 12,000 hours.

**Inorganic Materials Maintain Image Quality Longer**

The PT-FW430 Series projectors’ optical block maintains a high level of performance over time, due to the use of inorganic materials in the LCD panels and polarisers, thus achieving a replacement cycle of 12,000 hours. It also makes them the logical choice for a truly dependable LCD projector system.

**Daylight View Premium for Better Colour Perception**

This function corrects the image quality to project sharp, clear images even in brightly lit rooms. A luminance sensor measures the ambient brightness, and a real-time adjustment function optimises sharpness and brightness according to the surroundings. This adjustment function also works together with the Detail Clarity Processor 3 to enhance the realism and vividness of projected images. This makes images easier to view and offers high contrast.

**Superb and Ecological Performance**

**Detail Clarity Processor 3 Brings Depth and Clarity to Details**

The frequency of the video signal is analysed for each scene, and distribution data is extracted for the ultra high, high, medium and low-range frequencies. This unique Panasonic image correction circuit optimally enhances each area of the screen. High-precision detection is applied from 2-dimensional horizontal/vertical data to produce more natural, lifelike images with high definition.

**Daylight View Premium for Better Colour Perception**

This function corrects the image quality to project sharp, clear images even in brightly lit rooms. A luminance sensor measures the ambient brightness, and a real-time adjustment function optimises sharpness and brightness according to the surroundings. This adjustment function also works together with the Detail Clarity Processor 3 to enhance the realism and vividness of projected images. This makes images easier to view and offers high contrast.

**Eco Management Functions**

A number of functions are provided to reduce power consumption. They adjust the brightness according to ambient light conditions, and reduce the lamp power when there is no signal input or the projector is in AV Mute mode. You can easily set the Eco Management functions according to operating conditions by using the ECO button on the remote control.

**Standby Mode: Eco**

The PT-FW430 Series has attained a low stand-by power level of 0.4 W (standby mode: ECO). It also helps to slash running costs, and reduces environmental impact.
Installation and Operation Flexibility

**2x Zoom Lens and Horizontal/Vertical Lens Shift**

The 2x zoom lens and horizontal/vertical lens shift let you accommodate a wide range of room sizes and shapes. When lights or ventilation holes are located in the ceiling mounting site, you can simply relocate the projector to avoid them. And when replacing existing projectors, this can reduce costs by permitting the use of existing mounting positions and cabling.

**Abundant Connection Terminals, Including HDMI**

Interfaces include HDMI and DVI-I inputs. The serial terminal (RS-232C) has an Emulate function that lets you continue using existing control systems when replacing previous Panasonic models. It is also possible to output audio during Standby mode. This is convenient when connecting an external audio system through the projector.

**Easy Remote Monitoring and Control over a LAN**

The PT-FW430 Series can be easily operated remotely over a LAN, because it is done using the computer’s Web browser. Furthermore, the projector sends an email message to notify the operator when an error has occurred, or a lamp needs to be replaced. Panasonic’s original freeware, “Multi Projector Monitoring and Control Software Ver. 2.5,” allows the user to control and monitor multiple projectors at the same time over a LAN. This software also adds a new function that allows still images and text messages to be simultaneously distributed to multiple projectors. And the PT-FW430 Series models are compatible with PJLink™ (class 1) to enable integrated control of systems that contain different brands of PJLink™-compatible projectors.

**Easy Wireless Projection from Multiple PCs (Optional)**

The optional Wireless Module ET-WM200E allows the PT-FW430 Series to provide wireless projection of the same images that are displayed on the PC screen. There is no need to connect the PC with a VGA cable, so you get smooth video presentations with any system layout you want and it is also possible to transmit audio. Settings for wireless connection can be made quickly and easily using Wireless Manager ME 5.5 software and you can also simultaneously project the images from multiple PCs up to 16 PCs using the “Multi-Live mode.” The wireless LAN security is also newly-compatible with the EAP (Extensible Authentication Protocol) (except for EAP-LEAP).

*NOTE: Network functions such as Live mode and Multi-Live mode can also be used with a wired LAN.*

**Four-Window Multi Style** displays up to four computer screens at a time.

**Four-Window Index Style** displays thumbnails of four computer screens.

**16-Window Index Style** displays thumbnails of 16 computer screens.

---

*2 This value is calculated by continuously turning the lamp on for 2 hours and off for 0.25 hours. The lamp replacement cycle will decrease if the lamp is turned on/off more frequently, or if it is left on for longer intervals.

*3 PT-FW300NTEA/FW300EA/F300NTEA/F300EA.

*4 The usage environment affects the duration of the filter.

*5 When washing with water, please follow the procedures listed in the operating instructions. Also, we recommend replacing the filter with a new one after it has been washed and reused twice. If the filter is not sufficiently clean after washing, replace it with a new one.

*6 There is no actual change in the rated brightness or contrast ratio.

*7 When the standby mode is set to ECO, network functions such as power on over the LAN will not operate. Also, only certain commands can be received for external control using the serial terminal.

*8 0.4 W at 220–240 V AC, 0.3 W at 100–120 V AC.

*9 Audio monitoring requires external speakers and an audio amplifier.
**Panasonic Wireless Projector for iOS**

“Panasonic Wireless Projector for iOS” application, which is free and available on the App Store, allows wireless projection from an iPad, iPhone or iPod touch. When a JPEG or PDF file is opened, the image is sent to the projector and displayed. Presentations can be done using only the wireless projector and an iPad, iPhone or iPod touch. Various touch screen operations, such as rotating the direction of the screen, flicking to turn pages, and pinching to zoom in or out, are possible. iPad 1G, iPhone 3GS/4 and iPod touch 3G/4G devices with iOS 4.1/4.2 are supported.

**Effective Theft Prevention with the Startup Logo**

You can change the default Panasonic start up logo to any logo you want, such as your company’s logo for example. A new logo can be easily uploaded by connecting a computer to the projector through the LAN or serial connection by using the Logo Transfer Software*. An abundance of other security measures are also included, such as a security bar, a user password, a control panel lock, and text superimposing. This is very effective for preventing theft.

**Quiet, 29 dB*12 Operation**

The 29 dB*12 silent design ensures that you won’t be bothered by fan noise during operation. It also lets listeners focus on what the presenter is saying as well as what is being shown on the projection screen.

**Side-by-Side Function**

The PT-FW430EA can simultaneously display images from two sources onto a single screen. For example, you can display a PC image on the left and a video image on the right. Taking advantage of the wide-screen projection, this function gives you a host of new application possibilities to explore.

**Scheduling Function**

Scheduled operation is possible using the built-in timer function, without having to use a PC and software.

**Direct Power Off**

The cooling fan continues to operate even when the main power switch is turned off after projection is finished. This also allows the power to be turned off by directly switching off the room’s main breaker for systems, such as ceiling mounted systems, where the main power switch cannot be reached.

**15m (49ft) Long-Range Wireless Remote Control**

A unique ID number can be assigned to each projector using the supplied wireless remote control unit. This allows operation of a desired projector when multiple units are set up at the same location. Three frequently used functions can be assigned to the Function buttons for instant recall.

**Easy Lamp and Air Filter Replacement**

For easier maintenance, you can replace the lamp from the rear and the air filter through the side panel, even after the projector is installed on the ceiling. Furthermore, the replacement lamp unit ET-LAF100A can be used with all of the Panasonic PT-F100/F200/F300 Series projectors, for efficient lamp purchase planning.

**Other Valuable Features**

- Picture mode selection (standard/dynamic/natural/cinema/whiteboard/blackboard): whiteboard and blackboard modes are convenient when projecting in rooms that do not have a screen.
- AV mute for image/sound muting
- Selectable 17-language onscreen menu
- Menu lock function
- Built-in closed caption decoder

**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 during its life cycle. The PT-FW430 Series projector reflects the following ecological considerations.

- No halogenated flame retardants are used in the cabinet.
- Non-coated cabinet for easy recycling.
- Lead-free solder is used to mount components to the printed circuit boards.
- Lamp power switching further reduces power consumption.
- “ECO” button on the remote control.
- Standby power consumption of only 0.4 W** has been achieved (standby mode: ECO)**
- Auto Power Save activates standby mode when no signal is input.
- RoHS compliant

All PT-FW430 Series projectors are carefully manufactured at the Panasonic factory in Japan, under strict quality control. This is another, very important advantage of a Panasonic projector.
### Specifications

**Model**

- **PT-FW400EA**: 1020 W AC, 3.9–1.4, 50/60 Hz
- **PT-FX400EA**: 1030 W AC, 3.9–1.4, 50/60 Hz

**Power consumption**

- 330 W (2 W AC, 0.3 W when standby mode set to eco), 9 W when standby mode set to normal, 20 W when standby mode set to normal and audio monitor off.

**Specifications**

- **Brightness**: 4000 lm (lamp mode: normal)
- **Screen size (diagonal)**: 1.84 ~ 7.62 m (33 ~ 300 inches), 16:10 aspect ratio
- **Contrast**: 500:1 (full on/full off)
- **Resolution**: 1,280 x 800 pixels (Input signals that exceed this resolution will be converted to 1,280 x 800 pixels)
- **Image size**: 20.3 mm (0.8 inches) diagonal

**Dimensions**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projection Distance (Min) (Max) (Telephoto)</td>
<td>200˝ ~ 430˝ (4-15/16)</td>
</tr>
<tr>
<td>Projection Distance (diagonal)</td>
<td>2.0 mm ~ 5.3 mm</td>
</tr>
<tr>
<td>Cabinet materials</td>
<td>Moulded plastic (PC+ABS)</td>
</tr>
<tr>
<td>Ceiling mount bracket for high ceilings</td>
<td>ET-PK110H</td>
</tr>
<tr>
<td>Ceiling mount bracket for low ceilings</td>
<td>ET-PKF101S</td>
</tr>
<tr>
<td>Wireless module</td>
<td>ET-WM200E</td>
</tr>
<tr>
<td>Replacement lamp unit</td>
<td>ET-EFM100</td>
</tr>
<tr>
<td>Replacement lamp unit</td>
<td>ET-LAF100A</td>
</tr>
<tr>
<td>Operating environment</td>
<td>Operating temperature: 0° H: 45.00 kHz; f V: 50 Hz (PAL/PAL-N/SECAM)</td>
</tr>
<tr>
<td>Audio signal</td>
<td>Linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)</td>
</tr>
<tr>
<td>Power cord</td>
<td>Wireless remote control unit, batteries (RE type = x 2), software (2-RM-Logos Translator Software, Multi Projector Monitoring &amp; Control Software Ver. 2.5, Wireless Manager ME 5.5)</td>
</tr>
<tr>
<td>Power source</td>
<td>Power cord, wireless remote control unit, batteries (RE type = x 2), software (Logos Translator Software, Multi Projector Monitoring &amp; Control Software Ver. 2.5, Wireless Manager ME 5.5)</td>
</tr>
<tr>
<td>Screen size (diagonal)</td>
<td>1.84 ~ 7.62 m (33 ~ 300 inches), 16:10 aspect ratio</td>
</tr>
<tr>
<td>Screen size (diagonal)</td>
<td>20.3 mm (0.8 inches) diagonal</td>
</tr>
<tr>
<td>Screen size (diagonal)</td>
<td>20.3 mm (0.8 inches) diagonal</td>
</tr>
</tbody>
</table>

**NOTES ON USE**

1. Do not install the projector in locations that are subject to excessive water, humidity, steam or oily smoke. Doing so may result in fire, malfunction or electric shock.
2. The projector uses a high-voltage lamp that contains high internal pressure. This lamp may break, emitting a loud sound, or fail to illuminate, due to impact or external use.
3. The projector uses a high-voltage lamp that becomes very hot during operation. Please observe the following precautions:
   - Never place objects on top of the lamp while it is in operation.
   - Make sure there is an unobstructed space of 500 mm (19-15/16”) or more around the projector’s intake and exhaust openings.
   - Do not leave a screen or curtain over the intake or exhaust opening.
   - When stacking projectors, be sure to provide the amount of space indicated between them. These space requirements also apply to installation where only one projector unit is operating at one time and the other unit is used as a backup.
   - The brightness of the lamp will gradually decrease with use.
4. Due to natural characteristics of lamps, screen brightness may vary (flicker). This is not an indication of faulty lamp performance.

---

**For more information about Panasonic projectors**

[http://panasonic.net/avc/projector](http://panasonic.net/avc/projector)