



Please make these projectors
your very **first recom-**
mendations as **new** or
replacement systems.

PT-F100 Series
Permanent-Installation Projectors



Panasonic ideas for life

Are some of your customers hesitant to switch to a permanent-installation projector?

"I'm concerned about the **extra maintenance work** that an installed system needs."

"I'd like a ceiling-mounted projector, but doesn't that make it more difficult to **replace the filter and lamp?**"

"The room is very **dusty**. Won't that harm the projector?"

"Isn't the installation awfully **expensive**, with the construction costs and all?"

"Do I have to **replace everything** in my present AV system?"

"I don't need permanent-installation systems because our meeting rooms are all very **small**."

"I've just gotten used to operating my portable projector. Will I have to start all over **again to learn** this system?"

"I want to install them in our classrooms, cafeteria and library, but I **don't want different models** in every room."

"I want one in each meeting room, but all the **rooms are different sizes** and types. Won't that add to the cost?"



In other words,

I'm worried that shifting to permanent-installation projectors would just mean...

More troublesome
maintenance

and

A waste of
time and money

Or do you have customers who hesitate to replace existing projectors?

"My present installed system is old, but I keep using it because I don't want to have to **wire everything again.**"

"I'm afraid I won't be able to use my **existing non-Panasonic projectors** in the new system."

"Our teachers are used to operating the projectors we have and don't want to switch to entirely new, **unknown models.**"



In other words,

I'm worried that replacing our present fixed-installation projectors would just mean...

A waste of the system that we now have



Or possibly, do your customers have the following worries or requests?

"Students often use their own PCs to give presentations, and it's a bother to have to **reconnect** for each one."

"I wish the presenters didn't have to **always stand** right next to the projector."

"It's irritating to have to operate both the PC and the projector's **remote control** during a presentation."

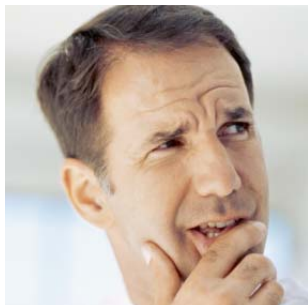


In other words,

I'm worried that permanent-installation projectors would just mean...

A system that's more difficult to use

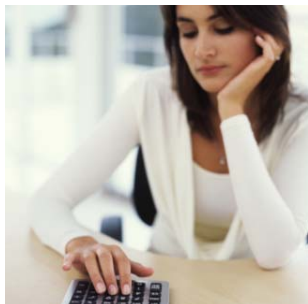
Satisfying these customers can be a major business opportunity for you.



Shifting to permanent-installation projectors would result in
~~more troublesome maintenance
and
a waste of time and money.~~



**Easy
Maintenance**



Replacing our present permanent-installation projectors would just mean
~~a waste of the system
that we now have.~~



**Value and
Compatibility**



Permanent-installation projectors would just mean
~~a system that's more difficult
to use.~~



Ease of Use

Introducing the Panasonic Solution—The PT-F100 Series



The F100 Series represents an entirely new concept in projectors. It was developed as Panasonic's response to market requests for permanent-installation projectors that are simpler in design and easier to use.

Based on the concept of "**one projector per room**," Panasonic set out to create a projector that would satisfy the following requirements:

- Installable with a minimum amount of work and time
- Usable with only a small amount of maintenance
- Easily operable by anyone

PT-F100 Series Advantages

Easy Maintenance

Auto Rolling Filter (ARF) to keep the inner air clean

Anti-dust cabinet design

Lamp drive system to minimize the brightness deterioration

Easy lamp replacement

Value and Compatibility

Daylight View 3 for vivid and clear images in well-lit rooms

2x zoom and wide lens shift allow to utilize the existing system

Abundant terminals

Wide screen with Side-by-Side function (PT-FW100NT)

Ease of Use

Easy-to-use wireless remote with wider operation range

Convenient wireless projection (PT-FW100NT/F100NT)

Direct power off lets you turn off the power right after the presentation

PJLink™ enables use of other manufactures projectors in the same network

Click the desired item to see more information.

[Click here to skip this section >>](#)

Nobody wants to uninstall their projector for maintenance!
So our new system automatically renews* the filter.



Here's why it's so important.

A dust-collecting filter is an essential element in a projector, but if it isn't cleaned regularly, it'll lead to problems like lower brightness. Panasonic developed the Auto Rolling Filter to allow longer use of the filter unit and eliminate the need to clean it.

* Rather than winding the entire used filter portion into the case, the ARF rolls only a part of it each time.



Why was this developed?

Once you've used the projector for a certain period of time, a preset portion of the used filter is automatically wound into the case and a new filter portion is exposed.

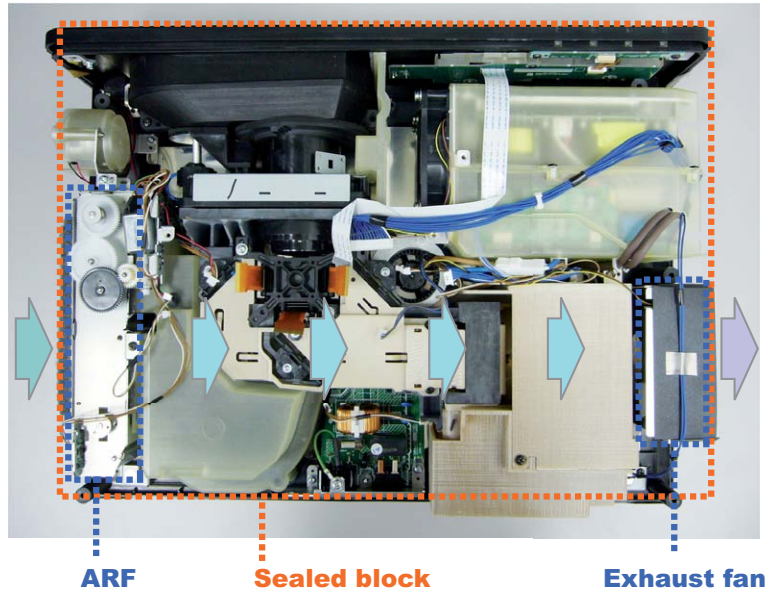
This is the new Auto Rolling Filter that Panasonic developed especially for its permanent-installation projectors. The filter itself is a Micro Cut Filter, which is a highly effective dust collector.

Explain it like this.

"It keeps the filter clean with much less work."

"It's really easy to use because it doesn't need a lot of maintenance—even when it's mounted on the ceiling."

Nobody wants to uninstall their projector for maintenance!
So our anti-dust cabinet minimizes the need for cleaning.



Here's why it's so important.

Panasonic engineers thoroughly redesigned the airflow inside the projector, from intake to exhaust, to stop dust from flowing in. This keeps the inside of the projector as clean as possible.



The front panel covers the lens to keep it clean from dust.

Why was this developed?

This design works in combination with the ARF function described on the previous page to absolutely minimize the dust that would otherwise deteriorate your projector's performance.

Explain it like this.

"You can keep this projector safely installed even in dusty rooms with people constantly walking in and out."

"It makes it harder for dust to enter, so the projector lasts longer. As you know, a long-lasting design is especially important for permanent-installation projectors."

[Back to the PT-F100 Series Advantages >>](#)

Nobody wants to uninstall their projector for maintenance!
So we developed a lamp that stays brighter longer.



Here's why it's so important.

The new drive system was developed to maintain the brightness of the projector lamp. It stays brighter longer than previous types.

Why was this developed?

The projector lamp is a consumable part. It has to be replaced because its brightness gradually deteriorates. The longer the service life, the less frequently you have to replace it. Panasonic developed the new, longer-lasting lamp drive system with this in mind.

Explain it like this.

"You don't need to replace the lamp as often because it stays brighter longer. There's less deterioration."

"Each lamp lasts longer, so you also save on the overall cost of replacements."

[Back to the PT-F100 Series Advantages >>](#)

Nobody wants to uninstall their projector for maintenance!
So we made it easy to replace the lamp without having to remove the projector from the ceiling.



Here's why it's so important.

The projector is designed so the lamp can be easily replaced from the back. There's no need to remove the projector from the ceiling each time the lamp is replaced.

Why was this developed?

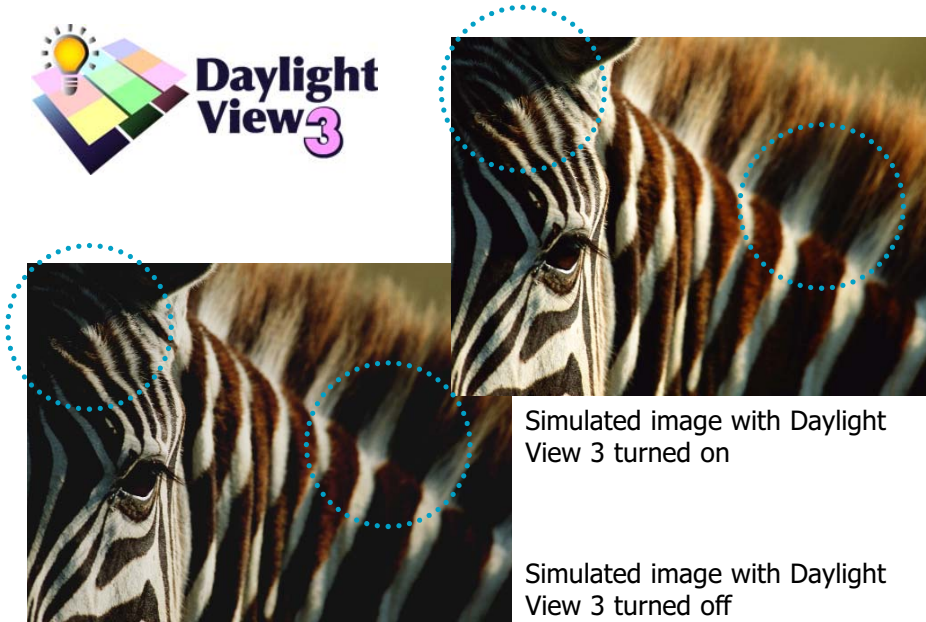
Even though the lifetime of the lamp can be extended, it can't last forever. It'll have to be replaced sometime.

Panasonic put the lamp replacement port on the rear panel of the projector so, for example, the lamp can be changed with the projector still mounted to the ceiling.

Explain it like this.

"When the lamp needs to be replaced, it can be done very easily from the back of the projector using an ordinary screwdriver."

Permanent-installation projectors have to fit any room!
So we made the images crisp and clear even in brightly lit rooms.



Simulated image with Daylight View 3 turned on

Simulated image with Daylight View 3 turned off

Here's why it's so important.

An ambient light sensor (ALS) measures the room light, then the projector automatically corrects itself to provide sharp, clear images under that lighting condition. This makes images seem brighter and higher in contrast*, so they appear crisp, vivid and easy to see even in brightly lit rooms.

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

Why was this developed?

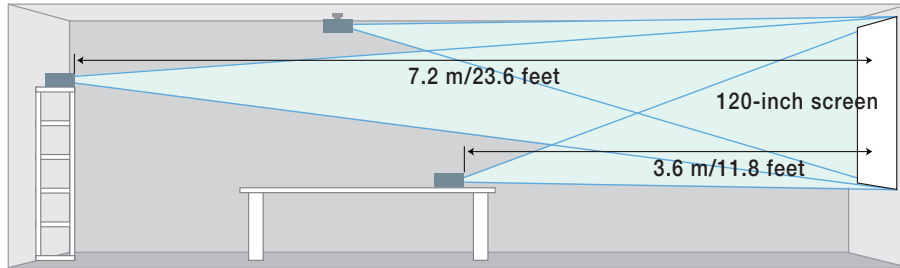
Many places where projectors are installed simply cannot be completely darkened. This function was developed to provide excellent images under virtually all room conditions.

Explain it like this.

"You can use it in ordinary classrooms, and even in places like the cafeteria."

"It's easy to see in places where you can't completely shut out the light, like meeting rooms, open display booths, showrooms and stores."

Permanent-installation projectors have to fit any room!
So we added flexibility with a large 2x zoom and lens shift function.



Here's why it's so important.

With the 2x zoom lens, the throw distance for a large, 120-inch image can range all the way from 3.5 to 7.1 meters*. This kind of flexible installation meets a lot of different layout needs.

* With the PT-FW100NT (16:9 wide screen).
From 3.6 to 7.2 meters for the PT-F100NT and PT-F100 (4:3 aspect screen).

Why was this developed?

PT-F100 Series projectors are based on the concept of "one projector per room." To achieve this ideal, we added the 2x zoom and lens shift function to match virtually all room conditions. These projectors answer most installation needs, such as a desire to use the ceiling-mount pole from an existing system, or adapting to a room where centered installation is not possible because of a ventilation port in the center of the ceiling.

Explain it like this.

"Say you've got a room with lighting right in the center. You can just shift the projector position to match it."

"You can use the equipment from your old projector and install the new one in just about the exact same place."

[Back to the PT-F100 Series Advantages >>](#)

Permanent-installation projectors have to fit any room!
So we made it possible to use existing wiring by adding lots of terminals.



NOTE: A LAN connector is not featured on the PT-F100.

Here's why it's so important.

In addition to a LAN terminal for PC connection and component video inputs for connecting digital AV devices, the projector is even equipped with RS-232C and remote control (contact control) terminals.

Why was this developed?

The RS-232C and remote control terminals are the same as those used on many current projectors. If you've been using an older Panasonic model, you can change models very smoothly without even having to change any control commands. Because there's no need to change control equipment, you can also expect a considerable cost savings. Plus, you can use the cables that you already have in the ceiling or walls. Three RCA pin jacks, just like the ones on most home AV devices, are used for component video input.

Explain it like this.

"If you've been using a Panasonic projector, you don't even have to change the control commands. You can also keep using your other control equipment, which is a major savings."

"You can continue to use your present cables too."

Permanent-installation projectors have to fit any room!
So we added a wide aspect ratio that projects wide images even from low ceilings.



Here's why it's so important.

The PT-FW100NT projects onto a wide 16:9 screen. This naturally lets you project the images of DVD and other wide-screen sources, but it also enables a wide range of other uses, like the 2-window display (with the Side-by-Side function) shown at the right.



Side-by-Side function

Why was this developed?

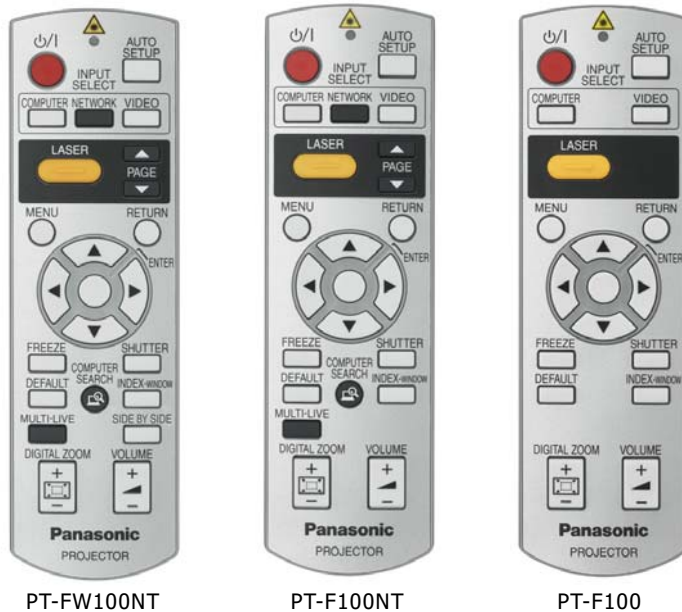
Previously, in rooms with low ceilings, such as small meeting rooms, the size of the projected image simply had to be reduced. Wide-screen projection now allows the image to be extended horizontally even in rooms with low ceilings. This makes for more dynamic meetings and more impressive presentations.

Explain it like this.

"You get dynamic, wide-screen images even in rooms with a low ceiling."

"Wide-screen projection is essential for today's DVD media and high-definition digital broadcasts."

Permanent-installation projectors have to be easy to use.
So we offer an ergonomically designed, wireless remote control.



PT-FW100NT

PT-F100NT

PT-F100

Here's why it's so important.

We increased the operating range of the remote controller by providing it with two signal transmitters, each with a different angle. We also added page up and down buttons (except for the PT-F100), which are handy for Microsoft® PowerPoint® presentations.



Transmitters

Why was this developed?

Because it becomes difficult to operate the projector directly when it is mounted on the ceiling, we created a wireless remote control that handles almost all of the projector's functions. To make the remote controller easier to use, we gave it large buttons and a newly designed layout. We also gave it a wider response range so you can move around the room for more active presentations. And we added a laser pointer and page up/down function for the presenter's convenience.

Explain it like this.

"This kind of comfortable, fingertip operation makes it easy to use, even for beginners."

"The remote control has its own laser pointer, so you don't need to keep switching controls."

Permanent-installation projectors have to be easy to use.
So we gave them a wireless PC connection.
No more time-consuming cable connections needed.



Here's why it's so important.

We've given these projectors a wireless PC connection. That means you don't have to connect any more cables. You can even use the wireless connection for multiple PCs.

Why was this developed?

Mounting the projector on the ceiling can make it difficult to connect it to multiple PCs. By giving it a wireless connection, we've eliminated the bother of making these connections, and made it possible to start projecting almost immediately. Multiple PCs can be connected with this wireless system, so there's no need to change cables or reconnect when several people take turns presenting at a meeting.

Explain it like this.

"You don't need to connect any cables to your PC, so you can project the images that much faster."

"You can also use as many PCs as you want, so meetings with a group of presenters go more smoothly."

Permanent-installation projectors have to be easy to use.
So we allowed the power to be turned off immediately.



Here's why it's so important.

Direct Power Off makes it possible to turn the power off as soon as you're finished using the projector. There's no need to wait for the cooling fan to finish operating, as you do with a conventional projector.

Why was this developed?

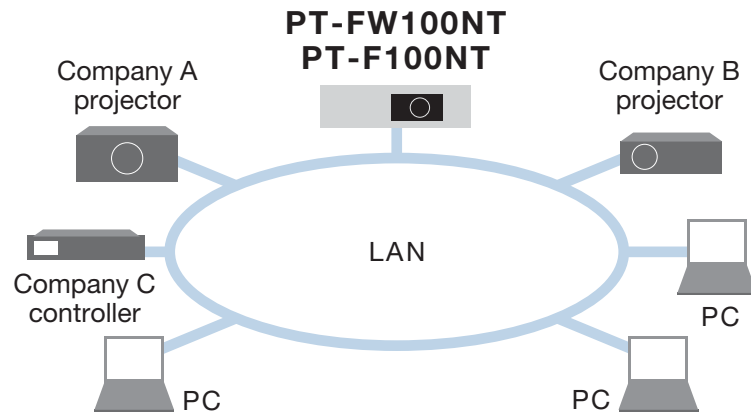
It used to be that you had to wait for a long time for the projector's cooling fan to stop before you could turn off the room's main power switch. The Direct Power Off function solves that problem. Even after the power is turned off, the fan continues to operate until the projector cools down. That means you don't have to wait for it, and it also reduces the possibility of forgetting to turn off the main power switch.

Explain it like this.

"You can turn off the room's main power switch and leave as soon as the meeting or presentation is finished. There's no more need to wait."

Permanent-installation projectors have to be easy to use.

So we made it possible to mix various equipment brands in the system.



Here's why it's so important.

Because they support the common PJLink™ specifications, these projectors enable immediate use in systems combining other-brand projectors and controllers.

Why was this developed?

The specifications that we use are standard throughout the industry. This increases the flexibility of both present systems and expanded systems of the future.

Explain it like this.

"If your present equipment supports PJLink, you can continue using it together with your new projector."

"This also gives you greater flexibility in choosing models to expand your system in the future."

[Back to the PT-F100 Series Advantages >>](#)

Major Specifications and Features

Model	PT-FW100NT	PT-F100NT	PT-F100
Panel	0.74" LCD x 3	0.7" LCD x 3	0.7" LCD x 3
Resolution	1,280 x 800 (wide aspect)	1,024 x 768	1,024 x 768
Brightness	3,000 Lumens	3,200 Lumens	3,200 Lumens
Daylight View 3	√	√	√
Contrast ratio	400:1 (full on/full off)	400:1 (full on/full off)	400:1 (full on/full off)
Installation			
Lens	2.0x	2.0x	2.0x
Optical axis	H/V shift	H/V shift	H/V shift
Weight	6.2 kg/13.7 lbs	6.2 kg/13.7 lbs	6.2 kg/13.7 lbs
Noise	33 dB	33 dB	33 dB
Reliability			
Anti-dust cabinet	√	√	√
ARF	√	√	√
System Functions			
Direct power off	√	√	√
Wireless projection	√	√	√
LAN	√	√	√
PJLink™ compatibility	√	√	√
Side-by-Side	√		
Component video input	√ (RCA pin x 3)	√ (RCA pin x 3)	√ (RCA pin x 3)

Take a Closer Look

Front view



Rear view



NOTE: A LAN connector is not featured on the PT-F100.

Take a Closer Look

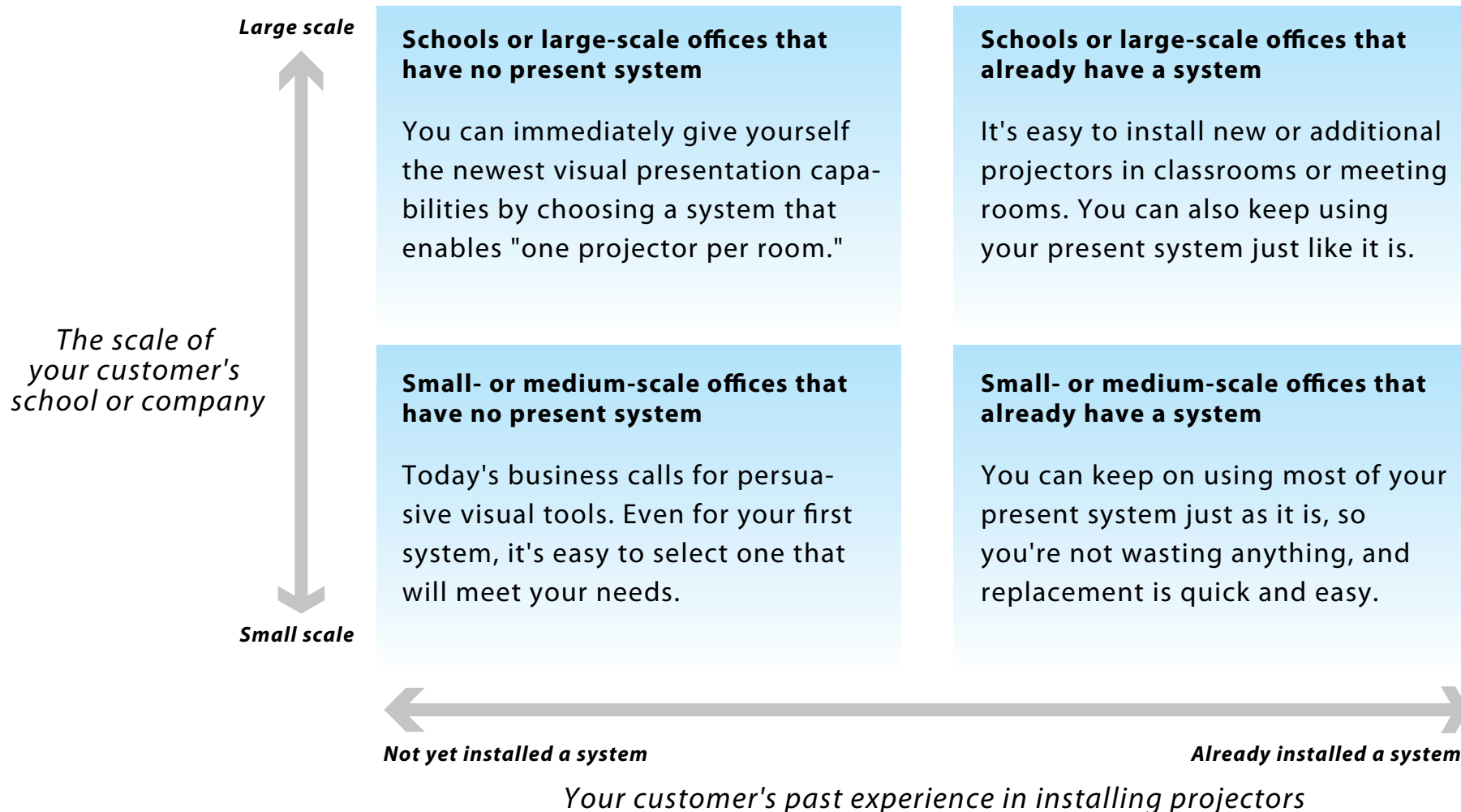
Side view



Front view



Recommend the F100 Series to these customers, just like this.



The PT-F100 Series will help expand your business! Here are three reasons why.

The PT-F100 series...

Reason 1

Stay sharper and brighter for a longer time.

Reason 2

Allow flexible permanent installation.

Reason 3

Offer a wide range of networking functions.

Which is why your customers...

Will be pleased with less maintenance work.

Will be able to easily install or replace units.

Will be able to keep using their existing network, and enjoy easy operation even for beginners.

So your company...

Won't have to listen to maintenance problems, and can greatly raise your customers' level of satisfaction.

Will be able to conclude more contracts because the system is so easy to install and construction is so simple.

Will receive referrals for new customers from your existing customers, leading to higher sales.

Please put the PT-F100 Series on the top of your recommendation list for new systems!