

Panasonic
ideas for life

PT-FW100NTU
PT-F100NTU
PT-F100U

LCD Projectors

P R E L I M I N A R Y

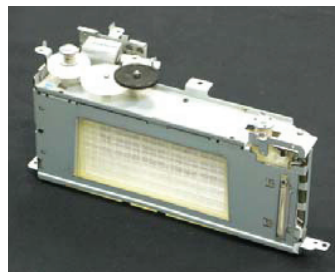
Long-Lasting Brightness



Panasonic's new permanent-installation LCD projectors – PT-FW100NTU, PT-F100NTU, and PT-F100U – feature Panasonic's advanced Auto Rolling Filter (ARF) and lamp drive technologies for longer-lasting performance. The result is a line of projectors that maintain superior brightness. Functions like Lens Shift and the 2x zoom also make the projectors easy to use when mounted to a ceiling or placed on a shelf. These high-performance models are perfect for either new or replacement projector use.

Auto Rolling Filter (ARF)

The PT-FW100NTU, PT-F100NTU, and PT-F100U automatically detect when dust accumulates on the high-efficiency electrostatic filter and impairs performance. The affected section of the filter is wound into the casing, and an unused filter material is automatically put in the airflow path so top filtering performance is continually maintained. The Auto Rolling Filter combines with a totally re-engineered airflow path and a hermetic, dust-free optical system design to ensure that the projector is always clean. This minimizes any brightness loss due to dust accumulation.



ARF unit featuring the electrostatic filter
(Photo shows a prototype. The appearance may differ from the unit that is actually built into the model.)

Model	PT-FW100NTU	PT-F100NTU	PT-F100U
Resolution	1,280 x 800 (WXGA)	1,024 x 768	1,024 x 768
Brightness	3,000 lumens	3,200 lumens	3,200 lumens
Market Introduction	Q3 07	Q2 07	Q2 07

Advanced technologies help maintain superior brightness

- Auto Rolling Filter (ARF) and dust resistant design
- Panasonic's new lamp drive system for optimal lamp performance
- Daylight View 3 Technology enhances sensory brightness and contrast*

Wide screen*2 and wireless functions for greater versatility

- Wide aspect-ratio screen with Side-by-Side viewing function*
- Easy wireless projection with multiple PC connection

Convenient features for fixed installation

- Horizontal and Vertical lens shift and 2x zoom for flexible installation

A 100-inch image can be projected from distances between 2.9 m/9.5 feet and 5.7m/18.7 feet with the PT-FW100NT, and between 3.0 m/9.8 feet and 6.0 m/19.7 feet with the PT-F100NT.

- Wired LAN: Web browser control/monitoring, email message alert and PJLink™ compatibility
- Direct power off
- Easy lamp replacement from the rear
- Abundant connection terminals
- Easy-to-use remote control with laser pointer
- Closed Caption Decoder built into the projector



*1 There is no actual change in the rated brightness or contrast ratio.
*2 For the PT-FW100NTU only.

Specifications (Tentative)

Power supply	100-240 V AC, 50/60 Hz
Power consumption	360 W (Approx. 4 W in standby mode with fan stopped)
LCD panel	
Panel size	
PT-FW100NTU	0.74" (18.8 mm) diagonal (16:10 aspect ratio)
PT-F100NTU/PT-F100U	0.7" (17.78 mm) diagonal (4:3 aspect ratio)
Display method	Transparent LCD panel (x 3, R/G/B)
Drive method	Active matrix
Pixels	
PT-FW100NTU	1,024,000 (1,280 x 800) x 3, total of 3,072,000 pixels
PT-F100NTU/PT-F100U	786,432 (1,024 x 768) x 3, total of 2,359,296 pixels
Pixel configuration	
Stripe	
Lens	Manual zoom (1:1-1:2), manual focus, F 1.7-2.6, f 21.6-43.0 mm
Lamp	250 W UHM™ lamp
Projection size	33-300 inches/838-7,620 mm diagonally (16:10 aspect ratio)
Colors	
Brightness	
PT-FW100NTU	3,000 lumens
PT-F100NTU/PT-F100U	3,200 lumens
Resolution (RGB)	
PT-FW100NTU	1,280 x 800 pixels (1,600 x 1,200 pixels with compression)
PT-F100NTU/PT-F100U	1,024 x 768 pixels (1,600 x 1,200 pixels with compression)
Scanning frequency	
RGB	Horizontal: 15-91 kHz, Vertical: 50-85 Hz
YPbPr	480i (525i): fh 15.75 kHz; fv 60 Hz 576i (625i): fh 15.63 kHz; fv 50 Hz 480p (525p): fh 31.5 kHz; fv 60 Hz 576p (625p): fh 31.25 kHz; fv 50 Hz 720/60p (750/60p): fh 45 kHz; fv 60 Hz 1080/60i (1125/60i): fh 33.75 kHz; fv 60 Hz 1080/50i (1125/50i): fh 28.125 kHz; fv 50 Hz fh 15.75 kHz; fv 60 Hz
S-Video/Video	
	NTSC, NTSC4.43, PAL-M, PAL60: fh 15.75 kHz; fv 60 Hz PAL, SECAM, PAL-N: fh 15.63 kHz; fv 50 Hz
Throw distance	
PT-FW100NTU	1.1 m-17.2 m (3'7"-56'5") (16:10)
PT-F100NTU/PT-F100U	1.2 m-18.1 m (3'11"-59'4") (4:3)

Optical axis shift	
PT-FW100NTU	Vertical: ±51%, horizontal: ±24%
PT-F100NTU/PT-F100U	Vertical: ±50%, horizontal: ±32%
Keystone correction range	
	Vertical: ±30°
On-screen menu	
	17 languages: English, French, German, Spanish, Italian, Korean, Russian, Chinese, Japanese, Swedish, Norwegian, Danish, Portuguese, Polish, Hungarian, Czech, and Thai
Installation	
	Front/rear ceiling/desk (menu selection)
Built-in speakers	
	4 cm (round), x 1, 3.0 W (monaural) output power
Terminals	
COMPUTER 1 IN	
	D-sub HD 15-pin x 1 R, G, B: 0.7 Vp-p, 75 ohms, Sync on green: 1.0 Vp-p, 75 ohms HD/SYNC, VD: TTL (positive/negative polarity compatible)
COMPUTER 2 IN/COMPUTER 1 OUT	
	D-sub HD 15-pin x 1 (input/output selectable using on-screen menu) R, G, B: 0.7 Vp-p, 75 ohms, Sync on green: 1.0 Vp-p, 75 ohms HD/SYNC, VD: TTL (positive/negative polarity compatible)
COMPONENT IN	
	RCA pin x 3, Y: 1.0 Vp-p (including sync signal), 75 ohms; Pb/Ce, Pr/Cr: 0.7 Vp-p, 75 ohms
VIDEO IN	
S-VIDEO IN	RCA pin x 1, 1.0 Vp-p, 75 ohms
	Mini DIN 4-pin x 1, Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms
AUDIO IN (COMPUTER 1)	
	M3 (stereo) x 1, 0.5 Vrms
AUDIO IN (COMPUTER 2)	
	M3 (stereo) x 1, 0.5 Vrms
AUDIO IN (COMPONENT/VIDEO/S-VIDEO)	
	RCA pin (L, R) x 1, 0.5 Vrms
AUDIO OUT	
	M3 (stereo) x 1, 0-2.0 Vrms (variable)
SERIAL REMOTE LAN	
	D-sub 9-pin x 1 (RS-232C) D-sub 9-pin x 1 RJ-45 x 1, 10BASE-T/100BASE-TX/1000BASE-T
Power cord length	2 m (6'7")
Cabinet material	Molded plastic (ABS/PC)
Dimensions (W x H x D)*2	
	432 x 124.5 x 319 mm (17" x 4-29/32" x 12-9/16")
Weight	6.2 kg (13.7 lbs.)
Operating environment	
Temperature	0°-40°C (32°-104°F)
Humidity	20%-80% (no condensation)

Specifications may change without prior notice.

Wireless remote control unit	
Power supply	3 V DC (AA battery x 2)
Operation range*3	Approx. 10 m (32.8 feet) when operated from directly in front of the signal receptor
Dimensions (W x H x D)	
	48 x 163 x 24.5 mm (1-7/8" x 6-13/32" x 31/32")
Weight	145 g (5.1 oz) (including batteries)
Wireless LAN	
Standard	IEEE802.11b/g
Transmission	
IEEE802.11b	Direct sequence spread spectrum (DSSS) system
IEEE802.11g	Orthogonal frequency division multi-plex (OFDM) system
Modulation system	
IEEE802.11b	CCK (11/5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
IEEE802.11g	64-QAM (54/48 Mbps), 16-QAM (36/24 Mbps), QPSK (18/12 Mbps), BPSK (9/6 Mbps)
Transmission speed	
IEEE 802.11b	11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps
IEEE 802.11g	54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps
Operation range*3	Approx. 30 m (98'5")
Frequency range	
PT-FW100NTE/FW100NTEA/F100NTE/F100NTEA	2,412 MHz-2,472 MHz
PT-FW100NTU/F100NTU	2,412 MHz-2,462 MHz
Channels	1-13 ch
PT-FW100NTE/FW100NTEA/F100NTE/F100NTEA	1-11 ch
PT-FW100NTU/F100NTU	1-11 ch

Supplied Accessories

- Power cord
- Wireless remote control
- Batteries for remote control
- Wireless Manager ME 4.0 (CD-ROM)
- Safety wire rope

Optional Accessories

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

*1: In AI mode. *2: Including protruding parts.

*3: Operation range differs depending on the environment.

NOTES ON USE

- The projector uses a high-voltage mercury lamp that contains high internal pressure. This lamp may break, emitting a large sound, or fail to illuminate, due to impact or extended use. The length of time that it takes for the lamp to break or fail to illuminate varies greatly depending on individual lamp characteristics and usage conditions.
- The brightness of the lamp will gradually decrease with use.
- The projector includes consumable parts. The frequency of replacement for the lamp and other consumable parts will increase if the projector is subjected to extended, continuous use. For details, please consult a service representative.

To use wireless functions, a PC is required that meets the conditions given below:

OS:	Microsoft® Windows® 2000 Professional, Windows® XP Professional, Windows® XP Home Edition
CPU:	Intel® Pentium® III or higher, or other compatible processor (1 GHz or higher is recommended)
Memory:	256 MB or more
Free hard disk space:	60 MB or more
CD-ROM drive:	CD-ROM drive or DVD drive
Wireless LAN:	IEEE 802.11b/g compatible (Built-in wireless LAN system or external IEEE 802.11b/g LAN card must be installed and running normally.)
Wired LAN connector:	RJ-45

NOTE: Some IEEE 802.11g/b wireless LAN may not allow connection to the projector.

NOTE: Use Category 5e (or higher) cables for 1000BASE-T connection.

Panasonic

Projectors Global Web Site
<http://panasonic.co.jp/pavc/global/projector>

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