

**Panasonic**  
ideas for life

**PT-DW10000**  
**PT-D10000**

DLP™-Based Projectors

# The Reference



- High-performance 3-chip DLP™-based projector
- Astounding brightness of 10,000 lumens
- Extremely high 5,000:1 contrast ratio
- PT-DW10000: Fully HD compatible, native 1,920 x 1,080 resolution  
PT-D10000: Native SXGA+ (1,400 x 1,050) resolution
- Advanced 10-bit image processing and 10-bit color management
- Multi-lamp system enables non-stop operation
- New liquid-cooling system enables operation in temperature of up to 45°C (113°F)
- Anti-dust design and a new sturdy chassis for more reliability
- Multiple terminals including DVI-D and LAN
- A wide variety of optional lenses
- Multi-screen projection flexibility
- Built-in Auto Cleaning Robot (ACR)

**SPECIFICATIONS (Tentative)**

**Power supply:** North America: 120 V AC, 20 A, 50/60 Hz  
Europe/Asia: 220–240 V AC, 15 A, 50/60 Hz

**Power consumption:** 1,450 W

**DLP™ chip:**

**Panel size:**  
PT-DW10000 0.95" diagonal (16:9 aspect ratio)  
PT-D10000 0.95" diagonal (4:3 aspect ratio)

**Display method:** DMD™ device x 3 (R, G, B), DLP™ system

**Pixels:**  
PT-DW10000 2,073,600 (1,920 x 1,080) x 3, total of 6,220,800 pixels  
PT-D10000 1,470,000 (1,400 x 1,050) x 3, total of 4,410,000 pixels

**Lens:** Optional powered zoom/focus lenses

**Lamp:** 250 W x 4

**Screen size:** 70–600 inches (70–300 inches with the ET-D75LE5)

**Brightness:** 10,000 lumens (high power mode)

**Contrast:** 5,000:1 (full on/full off, in Cinema AI3 mode)

**Resolution:**  
RGB: PT-DW10000 1,920 x 1,080 pixels  
PT-D10000 1,400 x 1,050 pixels  
(1,600 x 1,200 pixels compatible, compression mode)

**Video:** 560 TV lines

**Scanning frequency:**  
RGB: Horizontal: 15–100 kHz, Vertical: 24–120 Hz, Dot clock: 20–162 MHz

**YPbPr (YCbCr):** 480i: fh 15.75 kHz; fv 60 Hz, 576i: fh 15.63 kHz; fv 50 Hz, 480p: fh 31.5 kHz; fv 60 Hz, 576p: fh 31.25 kHz; fv 50 Hz, 720/60p: fh 45 kHz; fv 60 Hz, 1035/60i: fh 33.75 kHz; fv 60 Hz, 1080/60i: fh 33.75 kHz; fv 60 Hz, 1080/50i: fh 28.13 kHz; fv 50 Hz, 1080/25p: fh 28.13 kHz; fv 25 Hz, 1080/24p: fh 27 kHz; fv 24 Hz, 1080/24sF: fh 27 kHz; fv 48 Hz, 1080/30p: fh 33.75 kHz; fv 30 Hz

**S-Video/Video:** Horizontal: 15.75/15.63 kHz, Vertical: 50/60 Hz, (NTSC, NTSC4.43, PAL, PAL60, PAL-N, PAL-M, SECAM)

**Optical axis shift\*:** Horizontal and vertical, powered

**Keystone correction range:** Vertical: ±40° (±34° with the ET-D75LE1, ±19° with the ET-D75LE5)

**Installation:** Ceiling/floor, front/rear

**Terminals:**  
RGB1 IN: BNC x 5  
RGB2 IN: D-sub HD 15-pin x 1  
VIDEO IN: BNC x 1  
VIDEO OUT: BNC x 1  
S-VIDEO IN: Mini DIN 4-pin x 1  
SERIAL IN: D-sub 9-pin (RS-232C) x 1, D-sub 15-pin (RS-422C) x 1  
SERIAL OUT: D-sub 9-pin (RS-422C) x 1  
REMOTE 1 IN: M3 jack x 1 for wired remote control  
REMOTE 1 OUT: M3 jack x 1 for link control  
REMOTE 2 IN: D-sub 9-pin x 1 for external control (parallel)

**DVI-D IN:** DVI-D 24-pin x 1, HDCP compliant

**LAN:** RJ-45 x 1, compliant with PLink™, 10Base-T/100Base-TX

**Dimensions (W x H x D):** 580 x 320 x 641 mm (22-13/16" x 12-19/32" x 25-1/4" (without lens))

**Weight:** 32 kg (70.5 lbs) or less (without lens)

**Operating temperature:** 0°–45°C (32°–113°F)

**Operating humidity:** 10%–80% (no condensation)

**Remote Control Unit**  
**Power supply:** 3 V DC (AA battery x 2)  
**Operation range\*:** Approx. 30 m when operated from directly in front of the signal receptor

**Dimensions (W x H x D):** 51 x 176 x 22.7 mm (2" x 6-15/16" x 7/8")

**Optional Accessories**

- Zoom lens (1.5–2.0:1) ET-D75LE1
- Zoom lens (3.0–5.0:1) ET-D75LE3
- Zoom lens (8.0–15.0:1) ET-D75LE8
- Zoom lens (1.0–1.2:1) ET-D75LE6
- HD/SDI/Network board ET-MD77SD3
- Replacement lamp unit (single lamp) ET-LAD10000
- Replacement lamp unit (a set of four lamps) ET-LAD10000F
- Frame ET-PFD100
- Ceiling mount bracket for high ceilings ET-PKD100H
- Ceiling mount bracket for low ceilings ET-PKD100S
- Zoom lens (2.0–3.0:1) ET-D75LE2
- Zoom lens (5.0–8.0:1) ET-D75LE4
- Fixed-focus lens (0.8:1) ET-D75LE5
- SDI/Network board ET-MD77SD1
- DVI/Network board ET-MD77DV
- Carrying handle ET-HAD100

\*Operation range differs depending on environments.

**PT-DW10000 Projection Distance (16:9)**

unit: millimeters/feet

Screen size (inch, diagonal)	ET-D75LE1 Zoom lens (1.5–2.0:1)		ET-D75LE2 Zoom lens (2.0–3.0:1)		ET-D75LE3 Zoom lens (3.0–5.0:1)		ET-D75LE4 Zoom lens (5.0–8.0:1)		ET-D75LE8 Zoom lens (8.0–15.0:1)		ET-D75LE6 Zoom lens (1.0–1.2:1)		ET-D75LE5 Fixed-focus lens (0.8:1)													
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.												
70	2,322	7.6	3,102	9.9	3,137	10.3	4,719	15.5	4,730	15.5	7,936	26.0	7,943	26.1	12,713	41.7	12,431	40.8	23,652	77.6	1,393	4.6	1,662	5.5	1,151	3.78
80	2,665	8.7	3,560	11.7	3,597	11.8	5,408	17.7	5,419	17.8	9,088	29.8	9,095	29.8	14,544	47.7	14,262	46.8	27,082	88.9	1,600	5.2	1,910	6.3	1,328	4.36
90	3,007	9.9	4,018	13.2	4,057	13.3	6,097	20.0	6,108	20.0	10,239	33.6	10,246	33.6	16,375	53.7	16,093	52.8	30,512	100.1	1,807	5.9	2,158	7.1	1,504	4.93
100	3,350	11.0	4,475	14.7	4,516	14.8	6,787	22.3	6,798	22.3	11,390	37.4	11,397	37.4	18,205	59.7	17,923	58.8	33,943	111.4	2,014	6.6	2,406	7.9	1,681	5.52
120	4,035	13.2	5,391	17.7	5,435	17.8	8,165	26.8	8,176	26.8	13,693	44.9	13,700	44.9	21,867	71.7	21,585	70.8	40,803	133.9	2,428	8.0	2,902	9.5	2,034	6.67
150	5,063	16.6	6,764	22.2	6,814	22.4	10,233	33.6	10,244	33.6	17,146	56.3	17,153	56.3	27,359	89.8	27,078	88.8	51,094	167.6	3,049	10.0	3,646	12.0	2,563	8.41
200	6,775	22.2	9,052	29.7	9,112	29.9	13,680	44.9	13,691	44.9	22,903	75.1	22,910	75.2	36,512	119.8	36,232	118.9	68,246	223.9	4,084	13.4	4,886	16.0	3,445	11.30
250	8,488	27.8	11,340	37.2	11,409	37.4	17,127	56.2	17,138	56.2	28,659	94.0	28,666	94.0	45,666	149.8	45,387	148.9	85,397	280.2	5,119	16.8	6,126	20.4	4,327	14.20
300	10,201	33.5	13,629	44.7	13,707	45.0	20,573	67.5	20,584	67.5	34,415	112.9	34,422	112.9	54,819	179.9	54,541	178.9	102,549	336.5	6,154	20.2	7,366	24.2	5,209	17.09
400	13,626	44.7	18,205	59.7	18,303	60.0	27,467	90.1	27,478	90.2	45,928	150.7	45,935	150.7	73,126	239.9	72,850	239.0	136,852	449.0	8,224	27.0	9,846	32.3	-	-
500	17,052	55.9	22,782	74.7	22,898	75.1	34,360	112.7	34,371	112.8	57,441	188.5	57,447	188.5	91,433	300.0	91,159	299.1	171,155	561.5	10,294	33.8	12,326	40.4	-	-
600	20,477	67.2	27,359	89.8	27,494	90.2	41,253	135.3	41,264	135.4	68,953	226.2	68,960	226.2	109,739	360.0	109,468	359.2	205,458	674.1	12,364	40.6	14,806	48.6	-	-

**PT-D10000 Projection Distance (4:3)**

unit: millimeters/feet

Screen size (inch, diagonal)	ET-D75LE1 Zoom lens (1.5–2.0:1)		ET-D75LE2 Zoom lens (2.0–3.0:1)		ET-D75LE3 Zoom lens (3.0–5.0:1)		ET-D75LE4 Zoom lens (5.0–8.0:1)		ET-D75LE8 Zoom lens (8.0–15.0:1)		ET-D75LE6 Zoom lens (1.0–1.2:1)		ET-D75LE5 Fixed-focus lens (0.8:1)													
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.												
70	2,072	6.8	2,768	9.1	2,801	9.2	4,215	13.8	4,226	13.9	7,094	23.3	7,101	23.3	11,374	37.3	11,091	36.4	21,142	69.4	1,393	4.6	1,662	5.5	1,022	3.35
80	2,379	7.8	3,178	10.4	3,212	10.5	4,832	15.9	4,843	15.9	8,125	26.7	8,132	26.7	13,013	42.7	12,730	41.8	24,214	79.4	1,600	5.2	1,910	6.3	1,180	3.87
90	2,686	8.8	3,588	11.8	3,624	11.9	5,449	17.9	5,460	17.9	9,156	30.0	9,163	30.1	14,652	48.1	14,370	47.1	27,286	89.5	1,807	5.9	2,158	7.1	1,338	4.39
100	2,992	9.8	3,998	13.1	4,035	13.2	6,067	19.9	6,077	19.9	10,187	33.4	10,193	33.4	16,292	53.5	16,009	52.5	30,358	99.6	2,014	6.6	2,406	7.9	1,496	4.91
120	3,606	11.8	4,817	15.8	4,858	15.9	7,301	24.0	7,312	24.0	12,248	40.2	12,255	40.2	19,570	64.2	19,288	63.3	36,501	119.8	2,428	8.0	2,902	9.5	1,812	5.94
150	4,526	14.8	6,047	19.8	6,093	20.0	9,153	30.0	9,164	30.1	15,341	50.3	15,348	50.4	24,488	80.3	24,207	79.4	45,717	150.0	3,049	10.0	3,646	12.0	2,286	7.5
200	6,060	19.9	8,096	26.6	8,150	26.7	12,240	40.2	12,250	40.2	20,496	67.2	20,502	67.3	32,685	107.2	32,404	106.3	61,076	200.4	4,084	13.4	4,886	16.0	3,076	10.09
250	7,594	24.9	10,145	33.3	10,208	33.5	15,326	50.3	15,337	50.3	25,650	84.2	25,657	84.2	40,881	134.1	40,602	133.2	76,435	250.8	5,119	16.8	6,126	20.4	3,866	12.68
300	9,128	29.9	12,194	40.0	12,265	40.2	18,413	60.4	18,423	60.4	30,805	101.1	30,811	101.1	49,078	161.0	48,799	160.1	91,794	301.2	6,154	20.2	7,366	24.2	4,656	15.28
400	12,196	40.0	16,292	53.5	16,380	53.7	24,586	80.7	24,596	80.7	41,114	134.9	41,120	134.9	65,471	214.8	65,194	213.9	122,512	401.9	8,224	27.0	9,846	32.3	-	-
500	15,264	50.1	20,390	66.9	20,495	67.2	30,759	100.9	30,769	100.9	51,423	168.7	51,429	168.7	81,864	268.6	81,589	267.7	153,230	502.7	10,294	33.8	12,326	40.4	-	-
600	18,332	60.1	24,488	80.3	24,610	80.7	36,932	121.2	36,942	121.2	61,732	202.5	61,738	202.6	98,257	322.4	97,984	321.5	183,948	603.5	12,364	40.6	14,806	48.6	-	-



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