

Panasonic
ideas for life

P R E L I M I N A R Y

PT-DW10000
PT-D10000

DLP™-Based Projectors

The Reference



- High-performance 3-chip DLP™-based projector
- Astounding brightness of 10,000 lumens
- Extremely high 4,000:1 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

SPECIFICATIONS (Tentative)

Power supply: 220–240 V AC, 50/60 Hz
 Power consumption: TBD
 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
 Lenses: Optional powered zoom/focus lenses
 Lamp: TBD
 Screen size: 70–600 inches (70–300 inches with the ET-D75LE5)
 Brightness: 10,000 lumens (high power mode)
 Contrast: 4,000:1 (full on/full off, contrast mode: high)
 Resolution:
 RGB: 1,920 x 1,080 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: 24–162 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)
 Horizontal: ±30%, vertical: ±50%, powered
 Optical axis shift*:
 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 15-pin (RS-232C) x 1, D-sub 15-pin (RS-422C) x 1
 SERIAL OUT: D-sub 15-pin (RS-422C) x 1
 REMOTE 1 IN: M3 jack x 1
 REMOTE 1 OUT: M3 jack x 1
 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 280 x 600 mm (22-13/16" x 6-9/16" x 16-7/8") (without lens)
 Weight: 35 kg (77.2 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 (2.0–3.0:1): ET-D75LE2
 Zoom lens (3.0–5.0:1): ET-D75LE3
 Zoom lens (5.0–8.0:1): ET-D75LE4
 Zoom lens (8.0–15.0:1): ET-D75LE8
 Fixed-focus lens (0.8:1): ET-D75LE5
 SDI/Network board: ET-MD77SD1 (480p, 576i)
 HD/SDI/Network board: ET-MD77SD3 (720/60p, 720/50p, 1035/60i, 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p)
 DVI/Network board: ET-MD77DV
 *Operation range differs depending on environments.

PT-DW10000 Projection Distance (16:9)

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 (3.75–6.25:1)				ET-D75LE4 Zoom lens (5.0–8.0:1)				ET-D75LE8 Zoom lens (8.0–15.0:1)				ET-D75LE5 Fixed-focus lens (0.8:1)		unit: meters/feet			
	min. max.		min. max.		min. max.		min. max.		min. max.		min. max.		min. max.									
	70	2.32	7.6	3.10	9.9	3.14	10.3	4.72	15.5	4.73	15.5	7.94	26.0	7.94	26.1	12.71	41.7	12.43		40.8	23.65	77.6
80	2.66	8.7	3.56	11.7	3.60	11.8	5.41	17.7	5.42	17.8	9.09	29.8	9.09	29.8	14.54	47.7	14.26	46.8	27.08	88.9	1.33	4.36
90	3.01	9.9	4.02	13.2	4.06	13.3	6.10	20.0	6.11	20.0	10.24	33.6	10.25	33.6	16.38	53.7	16.09	52.8	30.51	100.1	1.50	4.98
100	3.35	11.0	4.48	14.7	4.52	14.8	6.79	22.3	6.80	22.3	11.39	37.4	11.40	37.4	18.21	59.7	17.92	58.8	33.94	111.4	1.68	5.51
120	4.04	13.2	5.39	17.7	5.44	17.8	8.17	26.8	8.18	26.8	13.69	44.9	13.70	44.9	21.87	71.7	21.58	70.8	40.80	133.9	2.03	6.67
150	5.06	16.6	6.77	22.2	6.81	22.4	10.23	33.6	10.24	33.6	17.15	56.3	17.15	56.3	27.36	89.8	27.08	88.8	51.10	167.6	2.56	8.41
200	6.78	22.2	9.15	29.7	9.11	29.9	13.68	44.9	13.69	44.9	22.90	75.1	22.91	75.2	36.51	119.8	36.23	118.9	68.25	223.9	3.45	11.30
250	8.49	27.8	11.34	37.2	11.41	37.4	17.13	56.2	17.14	56.2	28.66	94.0	28.67	94.0	45.67	149.8	45.39	148.9	85.40	280.2	4.33	14.20
300	10.20	33.5	13.63	44.7	13.71	45.0	20.57	67.5	20.58	67.5	34.42	112.9	34.42	112.9	54.82	179.9	54.54	178.9	102.55	336.5	5.21	17.09
350	11.91	39.1	15.92	52.2	16.01	52.5	24.02	78.8	24.03	78.8	40.17	131.8	40.18	131.8	63.97	209.9	63.69	209.0	119.70	392.7	-	-
400	13.63	44.7	18.21	59.7	18.30	60.0	27.47	90.1	27.48	90.2	45.93	150.7	45.93	150.7	73.13	239.9	72.85	239.0	136.85	449.0	-	-
500	17.05	55.9	22.78	74.7	22.90	75.1	34.36	112.7	34.37	112.8	57.44	188.5	57.45	188.5	91.43	300.0	91.16	299.1	171.16	561.5	-	-
600	20.48	67.2	27.36	89.8	27.49	90.2	41.25	135.3	41.26	135.4	68.95	226.2	68.96	226.2	109.74	360.0	109.47	359.2	205.46	674.1	-	-

PT-D10000 Projection Distance (4:3)

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 (3.75–6.25:1)				ET-D75LE4 Zoom lens (5.0–8.0:1)				ET-D75LE8 Zoom lens (8.0–15.0:1)				ET-D75LE5 Fixed-focus lens (0.8:1)		unit: meters/feet			
	min. max.		min. max.		min. max.		min. max.		min. max.		min. max.		min. max.									
	70	2.07	6.8	2.77	9.1	2.80	9.2	4.21	13.8	4.23	13.9	7.09	23.3	7.10	23.3	11.37	37.3	11.09		36.4	21.14	69.4
80	2.38	7.8	3.18	10.4	3.21	10.5	4.83	15.9	4.84	15.9	8.13	26.7	8.13	26.7	13.01	42.7	12.73	41.8	24.22	79.4	1.18	3.87
90	2.68	8.8	3.59	11.8	3.62	11.9	5.46	17.9	5.46	17.9	9.16	30.0	9.16	30.1	14.65	48.1	14.37	47.1	27.29	89.5	1.34	4.39
100	2.99	9.8	4.00	13.1	4.04	13.2	6.07	19.9	6.08	19.9	10.19	33.4	10.19	33.4	16.29	53.5	16.01	52.5	30.36	99.6	1.50	4.91
120	3.60	11.8	4.82	15.8	4.86	15.9	7.30	24.0	7.31	24.0	12.25	40.2	12.26	40.2	19.57	64.2	19.29	63.3	36.50	119.8	1.81	5.94
150	4.53	14.8	6.05	19.8	6.09	20.0	9.15	30.0	9.16	30.1	15.34	50.3	15.35	50.4	24.49	80.3	24.21	79.4	45.72	150.0	2.29	7.5
200	6.06	19.9	8.10	26.6	8.15	26.7	12.24	40.2	12.25	40.2	20.50	67.2	20.50	67.3	32.69	107.2	32.40	106.3	61.08	200.4	3.08	10.09
250	7.59	24.9	10.15	33.3	10.21	33.5	15.33	50.3	15.34	50.3	25.65	84.2	25.66	84.2	40.88	134.1	40.60	133.2	76.44	250.8	3.87	12.68
300	9.13	29.9	12.19	40.0	12.27	40.2	18.41	60.4	18.42	60.4	30.81	101.1	30.81	101.1	49.08	161.0	48.80	160.1	91.79	301.2	4.66	15.28
350	10.66	35.0	14.24	46.7	14.32	47.0	21.50	70.5	21.51	70.6	35.96	118.0	35.97	118.0	57.28	188.0	57.00	187.0	107.15	351.6	-	-
400	12.19	40.0	16.29	53.5	16.38	53.7	24.58	80.7	24.60	80.7	41.12	134.9	41.12	134.9	65.47	214.8	65.19	213.9	122.51	401.9	-	-
500	15.26	50.1	20.39	66.9	20.50	67.2	30.76	100.9	20.77	100.9	51.42	168.7	51.43	168.7	81.87	268.6	81.59	267.7	153.23	502.7	-	-
600	18.33	60.1	24.49	80.3	24.61	80.7	36.93	121.2	36.94	121.2	61.73	202.5	61.74	202.6	98.26	322.4	97.98	321.5	183.95	603.5	-	-



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