

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	Terminals:	
Power consumption:	TBD	RGB1 IN:	BNC x 5
DLP™ chip:		RGB2 IN:	D-sub HD 15-pin x 1
Panel size:		VIDEO IN:	BNC x 1
PT-DW10000	0.95″ diagonal (16:9 aspect ratio)	VIDEO OUT:	BNC x 1
PT-D10000	0.95″ diagonal (4:3 aspect ratio)	S-VIDEO IN:	Mini DIN 4-pin x 1
Display method:	DMD™ device x 3 (R, G, B), DLP™ system	SERIAL IN:	D-sub 15-pin (RS-232C) x 1, D-sub 15-pin (RS-422C) x 1
Pixels:		SERIAL OUT:	D-sub 15-pin (RS-422C) x 1
PT-DW10000	2,073,600 (1,920 x 1,080) x 3, total of 6,220,800 pixels	REMOTE 1 IN:	M3 jack x 1
PT-D10000	1,470,000 (1,400 x 1,050) x 3, total of 4,410,000 pixels	REMOTE 1 OUT:	M3 jack x 1
Lens:	Optional powered zoom/focus lenses	REMOTE 2 IN:	D-sub 9-pin x 1 for external control (parallel)
Lamp:	TBD	DVI-D IN:	DVI-D 24-pin x 1, HDCP compliant
Screen size:	70–600 inches (70–300 inches with the ET-D75LE5)	LAN:	RJ-45 x 1, compliant with PLink™, 10Base-T/100Base-TX
Brightness:	10,000 lumens (high power mode)	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)
Contrast:	4,000:1 (full on/full off, contrast mode: high)	Weight:	35 kg (77.2 lbs) or less (without lens)
Resolution:		Operating temperature:	0°–45°C (32°–113°F)
RGB:	1,920 x 1,080 pixels	Operating humidity:	10%–80% (no condensation)
Video:	(1,600 x 1,200 pixels compatible, compression mode)		
Scanning frequency:		Remote Control Unit	
RGB:	Horizontal: 15–100 kHz, Vertical: 24–120 Hz, Dot clock: 24–162 MHz	Power supply:	3 V DC (AA battery x 2)
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	Operation range*:	Approx. 30 m when operated from directly in front of the signal receptor
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	Dimensions (W x H x D):	51 x 176 x 22.7 mm (2″ x 6-15/16″ x 7/8″)
Optical axis shift*:	Vertical: ±40° (±34° with the ET-D75LE1, ±19° with the ET-D75LE5)	Optional Accessories	
Keystone correction range:		Zoom lens (1.5–2.0:1):	ET-D75LE1
Installation:	Ceiling/floor, front/rear	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.				
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	1.15	3.78	
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.				
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	1.02	3.35	
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	30.77	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	-	-	

