

# Ultra Bright Powerhouse



## Installation grade performance

The EP780 is perfect for a wide range of applications, from conference rooms to classrooms. Brighter and lighter, this projector packs more performance into a smaller box than ever before (4000 lumens, less than 3.7kg). The exceptional brightness, staggering 3000:1 contrast ratio and XGA resolution ensures that your images have serious impact. The whisper quiet noise level of only 30dB (STD Mode) guarantees the presentation is all the audience will hear. Optimised preset modes enable stunning performance whatever your application.

- Exceptional brightness of 4000 lumens, for powerful presentations in any environment.
- Superior contrast at 3000:1 for unparalleled image clarity.
- Convenient DVI-D, dual VGA (RGB & Component), S-Video, and composite video connectivity.
- Patented tunnel cooling system for whisper quiet operation.
- Incorporates Texas Instruments DarkChip3™ DMD (DLP) technology.
- Remote control with laser pointer supports wireless mouse function for presenting via USB between projector and NB.
- Security timer function.
- RS232 and RJ45 for network administrative management.

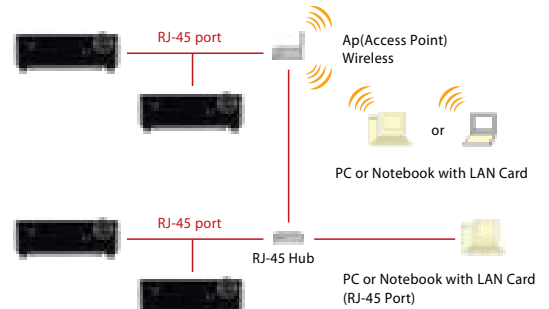


# EP780

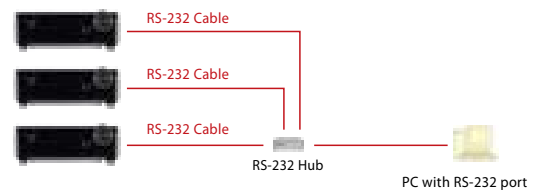
## Digital DLP® Projector



Control plural EP780 by Wireless and Wire via RJ-45 port in EP780



Control plural EP780 by Wire via RS-232 port with projector ID code in EP780



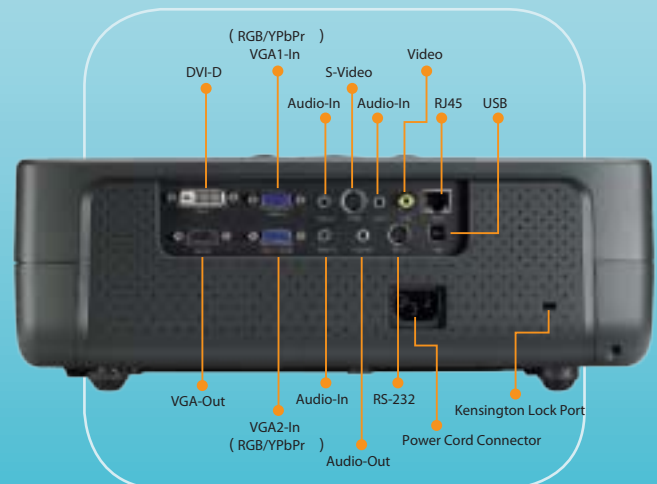
### Specification EP780

Display Technology	0.7" inch XGA DarkChip3 DMD from Texas Instruments
Native Resolution	Native resolution : 1024 × 768 ( XGA ) capability, Support Computer signal up to UXGA+ ( 1600 × 1200 ) 60Hz
Brightness ( Brite mode ) / Contrast Ratio	4000 Lumens / 3000 :1
Projection Lens	Throw ratio : 2.0~2.4 ; F=2.4~2.6, f= 28~33.6 mm, Short throw Lens ; 1.2× manual zoom / focus lens.
Digital Image shift	Up/Down, Left/Right digital Image shift
Projection Image Size / Distance	30.8 to 308 inches / 1.5m ~ 12.5m
Keystone Correction	±15° ( Vertical & Horizontal )
Aspect Ratio	Native on 4:3 ( XGA 1024 x 768 )
Computer Compatibility	UXGA, SXGA+, XGA, SVGA, VGA Compression, VESA standards, PC ( Analog VGA & DVI-D ), Macintosh compatibles (*Analog VGA only )
Horizontal / Vertical Scan Rate	H : 15-100 KHz / V : 56-85 Hz
Video Compatibility	HDTV ( 480p, 576p, 720p, 1080i/p ), 480i,576i with 480i/576i De-Interlacing, Full NTSC, NTSC4.43, PAL PAL-M, PAL-N, SECAM
Input / Output Connections	DVI-D ( PC/DVI-D with HDCP ), VGA ( YPbPr/RGB/SCART ) with Audio input × 2, S-Video ( with Audio input ) × 1, Composite Video ( with Audio input ) × 1, VGA with Audio output × 1, USB Port ( For wireless mouse/service ) × 1, Serial RS-232 for control × 1, IR receivers × 2 ( front and top ), RJ45 ( LAN for network control interface ), 2 W speaker × 2
Security	One Kensington Lock Port, and Security Timer function
Uniformity	85 %
Noise	30dB in Standard mode / 32dB in Standard mode Off
Lamp Type	300-watt Replaceable lamp
Lamp Life	3000 hours in STD mode / 2000 hours in STD mode Off
Power Supply	Universal AC 100 - 240 volts, 50/60 hz
Power Consumption	385W ± 10% at 110 V ( Operating ), < 12 W ( Stand by )
Dimensions ( W x H x D ) / Weight	347 x 128 x 261 ( mm ) / 8 pounds ( 3.6kg )

### Projection Distance / Image Width

Projection Distance ( m )	Screen Width ( max )	Screen Width ( min )	Screen Height ( max )	4:3 Diagonal ( max )	Diag ( max ) inches	Offset ( m )
1.20	0.60	0.50	0.45	0.75	29.5	0.14
2.00	1.00	0.83	0.75	1.25	49.2	0.23
2.50	1.25	1.04	0.94	1.56	61.5	0.28
3.00	1.50	1.25	1.13	1.88	73.8	0.34
4.00	2.00	1.67	1.50	2.50	98.4	0.45
5.00	2.50	2.08	1.88	3.13	123.0	0.56
6.00	3.00	2.50	2.25	3.75	147.6	0.68
7.00	3.50	2.92	2.63	4.38	172.2	0.79
8.00	4.00	3.33	3.00	5.00	196.9	0.90
9.00	4.50	3.75	3.38	5.63	221.5	1.01
10.00	5.00	4.17	3.75	6.25	246.1	1.13
11.00	5.50	4.58	4.13	6.88	270.7	1.24
12.00	6.00	5.00	4.50	7.50	295.3	1.35

For guide purposes only



Available from:



www.optoma.com

All Specifications are subject to change without notice.

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