

Optoma **EP1690**



EP1690 **DarkChip2 DLP™ Projector** For Professional of Corporate/Education



Excellent Video and Digital specification

- Advanced Texas Instruments 0.65" **WXGA DC2 DMD** Technology with High brightness **2500 Lumens** /High contrast ratio **2500 : 1**
- Dual true resolution support :
 - (i) **WXGA 1280 x 768** (16 x 10),native widescreen signal & **XGA**
 - (ii) **720P 1280 x720** (16 x 9), native 720P HDTV compatible
- VGA input (with Audio input) x 2,VGA output (with Audio output) x 1
- **DVI-D** input (support HDCP function) x 1

First data-projector with professional image quality

- **10-step BrilliantColor™** Image adjustment
- Build-in multi-Gamma and color adjustment setting for each signal (By **True Vivid** image technology)
- Integrated image manipulation including Format , Overscan, Zoom as well as Digital image shift.

High performance image processing

- High performance image Scalar:TI DPP3020 (10 Bit processing)
- DDP3020 Build-in De-interlacer for premium image quality and smoothness on 3:2 / 2:2 pull down process.

Perfection design for Office used

- Innovative "wind tunnel" cooling system to deliver whisper quiet operation;implement light leakage(Ultra low noise level only **27dB**)
- Security Timer function, TiO2 Photo Catalyst air purifier
- Remote support (i)Wireless mouse function for presenting via USB between projector and NB (ii) Laser pointer function (remote)

Specifications	EP1690
Display Technology	0.65 inch / 12 degree WXGA DarkChip2 DMD from Texas Instruments.
Native Resolution	Dual native resolution (1) 1280x768 WXGA (2) 1280x720, 720p capability
Brightness (Brite mode) / Contrast Ratio	2500 Lumens / 2500 :1
Projection Lens	Throw ratio : 1.58 ~1.90:1 ; f=22.25 – 26.69 mm, F/2.5~2.8 ; Short throw Lens ;1.2 X manual zoom / focus lens.
Digital Image shift	Up/Down, Left/Right digital Image shift
Projection Image Size / Distance	36 to 323 inches / 1.5m ~ 11m
Keystone Correction	±15° (Vertical & Horizontal)
Aspect Ratio	Native on 16:10 (WXGA 1280 x 768) ,include native on XGA(1024 x 768),too Native on 16:9 (HDTV 720P 1280 x 720) widescreen, 4:3 compatible
Computer Compatibility	UXGA,SXGA+,XGA,SVGA,VGA Compression,VESA standards,PC & Macintosh compatibles,
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 x 2, S-Video (with Audio input) x1,Composite Video (with Audio input) x 1, VGA with Audio output x 1,USB Port (For wireless mouse/service) x 1, Serial RS-232 for control x 1,IR receivers x 2 (front and top) , 3 W speaker x 1
Security	One Kensington Lock Port , and Security Timer function
Uniformity	85 %
Noise	27dB in standard mode / 30dB in Brite mode
Lamp Type	220-watt Replaceable UHP lamp
Lamp Life	3000 hours in STD mode / 2000 hours in Brite mode
Power Supply	Universal AC 100 - 240 volts, 50/ 60Hz
Power Consumption	295W (Operating) , < 13W(Stand by)
Dimensions (W x D x H) / Weight	347 x 245 x 94 (mm) / 7 pounds (3.2kg)



<http://www.optoma.com>

Optoma reserve the right to change the terms of this specification or to modify any features of preliminary datasheet

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