



HD81



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Excellent 1080P DC3 DLP Projector
Professional Projector center for Your Home Theater



Perfection design for Home theater

- Advanced Texas Instruments **1080p DarkChip3 DMD** with 7 segment(R/G/B/DVE/R/G/B) **6X** speed color wheel
- True resolution support :**1920 x1080** native on HDTV 1080i/p
- Extra High contrast ratio **12000 : 1** (with Image AI II ON)
- 10-bit video process for individual color (RGB) to provide true & vivid colors in image.
- All image support up-scaling to 1080p with excellent De-interlacing and scaling(include timing 1080i -> 1080p) by build-in Studio-grade professional scalar Gennum VXP
- Auto IRIS function with Image AI II technique provide better contrast in dark room
- Two piece architecture provide best image quality and powerful I/O

Powerful image processing and professional interface

- 5 sets of "advanced user definable processing engine" (1)Color Temp(2)Edge Enhance (3)Gamma (4)Color Vivid (5)B/W Extension
- User selectable 6-color (RGBCYM) adjust interface : independent 15-region saturation and hue adjustment interface(in Color Vivid)
- Useful "Demo" function allows side-by-side comparisons of enhancement effects before and after Image Engine
- Noise-Reduction (NR) function provide clear image

Other feature include

- Advanced content-specific automatic contrast ,brightness, and color enhancement (*)
- Brushed anodized aluminum case (Box side) and classic ID (Projector side)
- Back-light remote control with direct useful key functions
- Video Image Switcher up to HDMI x 3 and components x 5

(*) When feeding component and RGB signal will support.

Specifications	HD81
Display Technology	0.95"inch 1080p DC3 DMD from Texas Instruments.
Native Resolution	1920 x 1080 (native on 1080i/p)
Image Processor Technology	Gennum High-End video image processor(scalar.),30 bits full color image processor
Brightness(Brite mode) / Contrast Ratio	1300 Lumens / 12000 :1 ((with Image AI II ON)
Projection Lens	Throw ratio : 1.85 ~2.22:1 ; f=39.12 – 46.94 mm, F/2.6~2.82 ; Mid throw Lens ;1.2 X manual zoom / focus lens.
Projection Image Size / Distance	30.5 to 305 inches / 1.5m ~ 12.5m
Keystone Correction	Vertical $\pm 5^{\circ}$,
Video Compatibility	HDTV (480p, 576p, 720p, 1080i), 480i,576i,Full NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM,Computer capability up to XGA(*analog),HDMI(480i/p,576i/p,720p,1080i/p)
Powerful build-in function	IRIS(On: 16 step,Off,Auto),Copy function for color setting, Overscan, Edgemask, Auto Calibration(analog signal),Image shift,Profession color and gamma curve adjustment interface.
Aspect Ratio	16:9 , 4 X 3 ,Native , LBX ,Format 1 ,Format 2
I/O Connections(Controller side)	Input :HDMI x3 , HDMI from AV receiver (*) X 1 Component YCbCr/ YPbPr (RCA) X 2,VGA(Analog RGB ,SCART, Component) X 1 Analog RGBHV & Component YCbCr/ YPbPr(BNC) X 2,S-Video X 3, Composite Video(RCA) X 3, RS232 for control X 1,IR Module port X 1,IR receivers x 1 Output : HDMI X 1 (To projector side), HDMI to AV receiver (*) X 1, RS232 (To projector) X 1, +12V Relay output X 2(one is programmable in OSD) (*) For link to AV receiver
I/O Connections(Projector side)	Input: HDMI (From Box)x 1,RS-232(From BOX) X1 ,USB port(service) X1
Uniformity	90 %
Lamp Type	300-watt User Replaceable lamp
Lamp Life	3000 hours in normal mode / 2000 hours in Brite mode
Power Supply	Universal AC 100 - 220 volts, 50/ 60Hz
Power Consumption	Projector side: 430W (Operating) , < 12W (Stand by) at 110 V, Controller side 45W (Operating) , < 4.3W(Stand by) at 110 V
Dimensions (W x D x H) / Weight	Projector side : 411 x 311 x 116 mm / 10 pounds (4.5kg) Controller side : 433 x 285 x 50 mm / 7 pounds (4.2kg)



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