



Action! model three

The projectiondesign Action! *model three* is the ultimate implementation of the Texas Instruments® single chip DLP™ technology. Combining the HD2+ Mustang DMD™ with our proprietary DuArch™ illumination architecture - implementing two completely individual lamps, dual 7-segment colour wheels, and dual light optimization and recovery - available performance from a single chip system is unprecedented. Contrast levels up to 7500:1 and adjustable brightness levels from 800 to 2500 ANSI lumens on screen ensures the model three caters for any screen size one could possibly want or need in a domestic home cinema.

DuArch™ illumination architecture

projectiondesign has patented the new DuArch™ illumination architecture. By using two lamps with exceptional power, head room is greatly extended, and enables much higher contrasts and tuning possibilities than other, comparable single chip systems. With greater available brightness reserves, it is possible to adapt to any one setting and environment with higher contrast and higher brightness levels than with any other comparable projector. Dual 7-segment NDG color wheels, as well as dual iris control enable much higher accuracy in color reproduction, and provide stunning, saturated colors with high color resolution.

Extensive installation and asset management options

A wide range of six motorized lenses are available for the Action! *model three*, covering throw ratios from as short as 0.88 : 1 all the way up to 7.70 : 1. All lenses are motorized, and support lens shift both horizontally and vertically. The continuously adjustable dual iris control gives complete control over performance. In combination with control over IP, RS232 or IR, this gives superb flexibility in installation, with both rear and front projection possibilities. The Action! *model three* can even have its firmware updated over IP, so in effect can be managed remotely by the system integrator.



projectiondesign **ACTION!** *model three*

HD2+ DC3 (1280x720)

DLP™ Technology

2500 ANSI lumen

7500:1 contrast ratio

8000 hours lamp life

6 lens options

TECHICAL SPECIFICATIONS

PRELIMINARY

display concept	Single chip HD2+ DC3 Mustang DLP™ technology, 1280 x 720 resolution (16:9 wide screen) DuArch™ illumination architecture (pat. pending) Dual 7-segment, 5-speed NDG RGBRGBG color wheels
input signal compatibility	1080i/p, 720p, 576i / 576p, 480i / 480p, PAL SECAM, NTSC digital and analog RGB
projection lenses	0.88 : 1 fixed focal wide angle (on axis only) 1.30 : 1 fixed focal wide angle (fully shiftable) 1.42 – 1.85 : 1 wide angle zoom lens (fully shiftable) 1.85 – 2.75 : 1 standard zoom lens (fully shiftable) 2.75 – 4.40 : 1 short tele zoom lens (fully shiftable) 4.40 – 7.70 : 1 long tele zoom lens (fully shiftable) all lenses with motorized zoom and/or focus
lens shift	vertical: +/- 110% horizontal: +/- 90%
iris control	fully continuous iris control from F2.1 – F9 for all lenses
contrast	7500 : 1 (at minimum iris setting)
brightness	continuously adjustable 800 - 2500 ANSI lumens
lamps	2x250W UHP, variable power
lamp life	8000 hrs max typical in low power setting (2000 hours min typ)
video processing	DCDi™ by Faroudja (FLI2310) 10-bit AD conversion and gamma control
connectivity	DVI-D (HDCP) (DVI or HDMI digital RGB) 3x RCA (YPbPr, YCbCr) (component video) 1x S-Video (s-video) 1x RCA (composite video) HDD-15 (RGBHV, RGBS, RGSB, YUV) BNC x5 (RGBHV, RGBS, RGSB, YUV)
control	LAN (TCP/IP) RS232 IR remote control, with IR repeater input USB
operating noise level	30 dB(A) typical in-room
dimensions (wdh)	507 x 375 x 218 mm / 19.9" x 14.8" x 8.6"
weight	15.0 kg / 33 lbs (w/o lens)



Texas Instruments® single chip DLP™ technology ensures natural, saturated colors, perfect color uniformity, and a near seamless, film-like image.



The patented DuArch™ illumination technology, implementing dual individual lamps, dual 7-segment color wheels and dual irises provides the best performance ever from a single chip DLP™ projector. With greatly extended headroom, higher contrast than ever is available, while retaining brightness even for larger screens.



projectiondesign's unique implementation of all vital signal processing electronics on a single board ensures the highest possible integrity of the delicate signal. Tight matching of components, shortened signal paths, combined with the best available video and signal processing cater for an outstanding image.



IP, RS232, USB and wired and IR remote control options allow the model three to be installed into any environment, gaining full control over the projector at any time. The multi-function backlit remote provides discrete DirectKey access to almost all commonly used functions.

