

## More Color Than Commercial Theaters @Home

Entertainment Experience introduces the **TruVue VANGO™**. Powered by the world's first, multi-dimensional color technology, **eeColor™ Technology**, the TruVue VANGO™ is the first complete LED projector solution. It includes a 1080p, single-chip FULL-HD DLP® LED projector with 3 high power, laser-like LEDs, a proprietary eeColor™ Technology color processor and a state-of-the-art Windows® based color calibration utility.

Televisions and video projectors have progressed significantly in the last ten years to address improved brightness and contrast, but until recently, color quality has remained relatively unchanged since the 1970s! TruVue VANGO™ changes that.

Whether you enjoy Hollywood movies, the latest console games or sports on Monday night, the TruVue VANGO™ provides patent-pending technology and the latest LED components to create the brightest and richest colors of any digital projector system on the market. eeColor™ Technology uses 3D color processing to produce laser-like LED colors without the reddish-orange skin tones associated with other LED solutions. eeColor™ Technology also offers an in-frame white option with preserved colors, for the first 1000 lumen LED projector solution on the market. eeColor™ Technology also manages the color gamut in all lighting environments so you get the most out of your viewing experience. See the show the way it was intended to be seen.



**TruVue VANGO™ with eeColor™ Technology. Bright, Breathtaking Colors with Rich Hollywood Skin Tones.**

Entertainment Experience's eeColor™ Technology and proprietary color processor

Brightness: 1000 Ansi Lumens Extra Brightness With In-Frame White and Preserved Colors using eeColor™ Technology

0.95" modulation 1080p DarkChip4 single-chip DMD by Texas Instruments

1920 x 1080 pixel HDTV resolution

Luminus Phlatlight PT120 R/G/B LEDs illumination

50,000 hour LED life, instant on and stable color

User and eco-conscious with no lamp replacement cost, low noise, low power and no hazardous waste mercury lamp to dispose

DynamicBlack Technology

Contrast Ratio: 100,000:1 with Dynamic Black

Color Gamut >128% NTSC, >180% REC 709 With Natural Skin Tones from eeColor™ Technology

## PERFORMANCE SPECIFICATIONS

### LIGHT ENGINE

**Technology:**  
1 chip DMD 0.95" darkchip 4 chipset by Texas Instruments

**Brightness:**  
1000 Ansi Lumens Extra Brightness With In-Frame White and Preserved Colors using eeColor™ Technology

**Resolution:**  
1920 x 1080 pixels

**Modulation:**  
0.95" 1080p DarkChip4 single-chip DMD by Texas Instruments

**Contrast Ratio (Full ON/ Full OFF):**  
100,000:1 with Dynamic Black

**Illumination:**  
Luminus Phlatlight PT120 R/G/B LEDs

**Lamp average life time:**  
50,000 hours

**Color Gamut:**  
>128% NTSC, >180% REC 709 With Natural Skin Tones from eeColor™ Technology

### ELECTRONICS

**Video Processor:**  
eeColor™ Technology Color Processor

**Horizontal & Vertical Scan Frequency:**  
15-97kHz/24-85Hz

**Video and Graphic standards:**  
PAL (B,G,H,I,M,N,60); SECAM; NTSC 3,58; NTSC 4, 43 automatically selected

**HDTV:**  
ATSC (480p, 720p, 1080i, 1080p); EU 576p + 1080i 50Hz + 1080@24Hz

**PC Graphics:**  
VGA, SVGA, XGA, WXGA, SXGA, WSXGA+, UXGA

**Special Video Adjustments:**  
Noise Reduction, Sharpening, Luma and Chroma transition filters

**Other Special Adjustments:**  
DynamicBlack technology, Memories, Zoom/Crop, Color temperature control and Gamma Functions

### INSTALLATION

**Throw Ratio:**  
1.5-2.1:1 (T1 standard); 2.1-4.0:1 (T2 optional)

**Motorized Lens Shift:**  
V +60% / - 25%, H +/-8%

**Digital Keystone Adjustment:**  
Vertical and Horizontal

**Picture Size (inches diagonal):**  
65" -200"

**Aspect Ratio:**  
4:3, 16:9 Anamorphic, LetterBox, panoramic, pixel to pixel + 3 custom-user adjustments

**Weight:**  
36 lbs.

**Dimensions (LxWxH):**  
502mm x 365mm X 187mm

## INPUT/OUTPUT CAPABILITIES

Input	Quantity
<b>Analog:</b>	
Composite Video (RCA)	1
S-Video (mini Din 4 pin)	1
Component Input (3x RCA)	1
RGBHV/YCrCb (1x D-Sub 15 pin)	1
<b>Digital:</b>	
HDMI – HDCP compliant	2
<b>Control:</b>	
USB (B type connector)	1
RS232 (Mini Din 9 pin)	1
<b>Miscellaneous:</b>	
Wired remote (3.5mm Mini Jack)	1
OUT 12V (via DC Jack)	2

TruVue VANGO™ with eeColor™ Technology.  
Bright, Breathtaking Colors with Rich Hollywood Skin Tones.



The TruVue VANGO™ with eeColor™ Technology provides the truest LED colors without the orange or sunburnt skin tones of the competition. It is also the first 1000 lumen LED Projector solution on the market using in-frame white for Extra Brightness with no loss in color saturation. The laser-like color quality increases the color onscreen beyond cinemas for movies; and, makes animation and games jump off the screen.

## TrueVue eeColor™ PROCESSOR SPECIFICATIONS

### Color Processing:

Fully integrated with TruVue LED Projector On-Screen-Display  
1080p, 60 frames/second full 3D eeColor look-up-tables  
Video formats supported: HDTV 1080p, 1080i, 720p, 720i  
8, 10 or 12 bits/color input and output  
6 selectable full 3D eeColor tables using projector On-Screen-Display  
-3 eeColor tables for Maximum Color and dark, dim and standard room lighting  
-3 eeColor tables for Maximum Brightness and dark, dim and standard room lighting  
Color calibration for display color primaries, display linearity and selectable white point



### Interface:

HDMI-to-HDMI video signal processing  
RS232 integration with projector On-Screen-Display control  
Remote control (optional)  
Tethered USB interface for color calibration and eeColor table download  
All cabling provided

### Windows Application:

Easy to use color calibration application  
Calibration for display color primaries, display linearity and chooseable white point  
Integrated test target display for quick, easy measurement  
Integrated USB TruVue eeColor processor table download



eeColor Processor and Projector

### Power and Dimensions:

Dimension: 8.3"x2"x6.7" (LxHxD) or 210x50x170 mm (LxHxD)  
Weight: 1 Kg  
Power consumption: Max. 24W

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