



**DH6861**

**True HD 1080p, 16:9 resolution with high brightness and abundant features for an exceptional large screen experience**

## FEATURES

- Native 1080p (1920 x 1080), 16:9 resolution to match today's HD display requirements for simplified installments
- Extremely bright at 7000 lumens with a 3000:1 contrast ratio
- Dual-lamp technology for redundancy and brightness
- Centered lens design with seven (7) interchangeable bayonet lens options
- Lens memory features
- Connectivity options include: HDMI, Display Port, DVI-D, BNC, VGA-in, HDBaseT
- Motorized lens shift (vertical/horizontal) and power zoom/focus
- Interchangeable Color Enhancement Color Wheel (included)
- RJ45/RS-232 for integration and system administration
- 12-V trigger for external module connection
- Rear cover design for quick and easy lamp replacement



# DH6861

The ideal solution for diverse large-venue true HD applications, the Vivitek DH6861 features native HD 1080p resolution, full 3D capability, DLP®/ BrilliantColor™, dual-lamp technologies, and HDBaseT. Designed with centered optics, motorized lens shift, zoom and focus including lens memories. The Vivitek DH6861 offers seven (7) interchangeable bayonet lens options to meet the majority of installation requirements. A second color wheel is included for vibrant color enhancement. The DH6861 is the ideal solution for image magnification applications, as well as 16:9 standardization.

## SPECIFICATIONS

|                        |                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Type           | Single DMD DLP® Technology by Texas Instruments                                                                                                                                                  |
| Brightness             | 7000 ANSI Lumens                                                                                                                                                                                 |
| Native Resolution      | 1080p (1920 x 1080)                                                                                                                                                                              |
| Maximum Resolution     | WUXGA (1920 x 1200)                                                                                                                                                                              |
| Contrast Ratio         | 3000:1 (Full On /Full Off)                                                                                                                                                                       |
| Lamp Life and Type     | 2500 / 2000 Hours (Eco / Normal), 350W Dual Lamp                                                                                                                                                 |
| Lamp Part #            | 3797802500-SVK                                                                                                                                                                                   |
| Aspect Ratio           | 16:9 Native                                                                                                                                                                                      |
| Keystone Correction    | ± 30° Vertical                                                                                                                                                                                   |
| Color Spectrum         | 1.07 Billion                                                                                                                                                                                     |
| Horizontal Scan Rate   | 15 to 108 KHz                                                                                                                                                                                    |
| Vertical Scan Rate     | 48 to 120Hz                                                                                                                                                                                      |
| 3D                     | Full 3D                                                                                                                                                                                          |
| Remote Control         | Fully Featured IR Remote                                                                                                                                                                         |
| Projection Method      | Table Top or Ceiling Mount (Front or Rear)                                                                                                                                                       |
| Uniformity             | 85%                                                                                                                                                                                              |
| Computer Compatibility | WUXGA, 1080p, UXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized; VESA Standards; PC and Macintosh Compatible                                                                                             |
| Video Compatibility    | SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i/p), NTSC (M, 3.58/4.43 MHz), PAL (B, D, G, H, I, M, N), SECAM (B, D, G, K, L1)                                                           |
| I/O Connection Ports   | HDMI v1.4, DVI-D, Display Port, DVI-D, 5 BNC (YPbPr/RGBHV), VGA-In, VGA-Out, 12V Trigger, RJ45 (HDBaseT compatible), RS-232, 3D Sync, Wired Remote, USB (Service)                                |
| Security               | N/A                                                                                                                                                                                              |
| Dimensions (WxDxH)     | 20.1" x 9.55" x 21.26" (510 x 230 x 540mm)                                                                                                                                                       |
| Weight                 | 44.1lbs (20 kg)                                                                                                                                                                                  |
| Noise Level            | 35dB / 40dB                                                                                                                                                                                      |
| Power                  | Supply: AC Input 100 - 240V, 50/60Hz; Single Lamp Consumption: 450W (Normal), 440W (Eco), 0.5W (Standby); Dual Lamp Consumption: 870W (Normal), 660W (Eco), <0.5W (Standby Mode, LAN, RS232 Off) |
| Operating Temperature  | 41 to 104°F (5 to 40°C), 90% Max Humidity                                                                                                                                                        |
| Warranty               | 5-Year Limited Parts / Labor, 1-Year Lamp or 1000 hours                                                                                                                                          |
| Standard Accessories   | AC Power Cord, VGA Cable, Remote Control, Batteries for Remote, RGBCMY Color Wheel, User's Manual (CD), Warranty Card.                                                                           |
| UPC                    | 813097021038                                                                                                                                                                                     |

| Lens Part #                  | 3797745100-SVK                  | 3797804200-SVK                       | 3797745200-SVK                       | 3797744200-SVK                       | 3797745000-SVK                       | 3797745400-SVK                       | 3797744900-SVK                       |
|------------------------------|---------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Lens Description             | Wide Fixed Lens (D88-WF18501)   | Ultra Short Zoom Lens (D88-UWZ01)    | Short Zoom Lens (D88-STZ01)          | Standard Zoom Lens (D88-ST001)       | Long Zoom Lens 1 (D88-SMLZ01)        | Long Zoom Lens 2 (D88-LOZ101)        | Long Zoom Lens 3 (D88-LOZ201)        |
| Throw Ratio (±3%)            | 0.76:1                          | 0.75 to 0.93:1                       | 1.25 to 1.79:1                       | 1.73 to 2.27:1                       | 2.22 to 3.67:1                       | 3.58 to 5.38:1                       | 5.31 to 8.26:1                       |
| Image Size (Diagonal)        | 40" to 500" (1.01 to 12.7m)     | 40" to 500" (1.01 to 12.7m)          | 40" to 500" (1.01 to 12.7m)          | 40" to 500" (1.01 to 12.7m)          | 40" to 500" (1.01 to 12.7m)          | 40" to 500" (1.01 to 12.7m)          | 40" to 500" (1.01 to 12.7m)          |
| Projection Distance          | 2.15' to 26.91' (0.65 to 8.20m) | 2.12' to 32.9' (0.64 to 10.0m)       | 3.54' to 63.3' (1.07 to 19.3m)       | 4.90' to 80.3' (1.94 to 24.4m)       | 6.29' to 129.9' (1.91 to 39.6m)      | 10.1' to 190.5' (3.07 to 50.06m)     | 15.0' to 292.5' (4.57 to 89.15m)     |
| Zoom Ratio                   | N/A                             | 1.25:1                               | 1.41:1                               | 1.31:1                               | 1.65:1                               | 1.5:1                                | 1.55:1                               |
| Lens Shift Range (Motorized) | N/A                             | Vertical: 0 to 50%, Horizontal: ±10% | Vertical: 0 to 50%, Horizontal: ±10% | Vertical: 0 to 50%, Horizontal: ±10% | Vertical: 0 to 50%, Horizontal: ±10% | Vertical: 0 to 50%, Horizontal: ±10% | Vertical: 0 to 50%, Horizontal: ±10% |

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# LARGE VENUE



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