



## BenQ LU960 data projector Standard throw projector 5500 ANSI lumens DLP WUXGA (1920x1200) 3D Black

**Brand :** Benq

**Product code:** 9H.JN477.25E

**Product name :** LU960



- Dustproofing technology for long-lasting performance
  - Support lens shift with Lens Lock
  - < 16.67 ms low latency enables realistic simulation
  - White balance calibration for seamless blending
  - Support 360° and portrait installation
- DLP Single 0.48" WUXGA, 1920 x 1200, 5500 ANSI, 10W, HDMI, USB, RS232, RJ45, 479.6 x 182.8 x 402 mm, 12 kg

BenQ LU960. Projector brightness: 5500 ANSI lumens, Projection technology: DLP, Projector native resolution: WUXGA (1920x1200). Light source type: Laser, Service life of light source: 20000 h, Service life of light source (economic mode): 38000 h. Zoom ratio: 1.1:1, Throw ratio: 1.127 - 1.697. Analog signal format system: NTSC, PAL, SECAM, Supported graphics resolutions: 640 x 512, 640 x 640, 640 x 160, 640 x 352, 640 x 360, 640 x 400, 640 x 480 (VGA), 640 x 544, 640..., Supported video modes: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p. Serial interface type: RS-232

|                                              |                           |                                   |                                                                                                                                                                                                                                                                                 |
|----------------------------------------------|---------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Projector</b>                             |                           | <b>Network</b>                    |                                                                                                                                                                                                                                                                                 |
| Screen size compatibility *                  | 762 - 7620 mm (30 - 300") | Ethernet LAN (RJ-45) ports        | 1                                                                                                                                                                                                                                                                               |
| Projector brightness *                       | 5500 ANSI lumens          | <b>Features</b>                   |                                                                                                                                                                                                                                                                                 |
| Projection technology *                      | DLP                       | Noise level (economic mode)       | 35 dB                                                                                                                                                                                                                                                                           |
| Projector native resolution *                | WUXGA (1920x1200)         | On Screen Display (OSD)           | ✓                                                                                                                                                                                                                                                                               |
| Contrast ratio (typical) *                   | 3000000:1                 | On Screen Display (OSD) languages | Arabic, Bulgarian, Simplified Chinese, Traditional Chinese, Croatian, Czech, Danish, German, Dutch, English, Spanish, Finnish, French, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Swedish, Thai, Turkish |
| Native aspect ratio *                        | 16:9                      | Number of OSD languages           | 28                                                                                                                                                                                                                                                                              |
| Number of colours                            | 1.07 billion colours      | Noise level *                     | 37 dB                                                                                                                                                                                                                                                                           |
| Horizontal scan range                        | 15 - 135 kHz              | <b>Multimedia</b>                 |                                                                                                                                                                                                                                                                                 |
| Vertical scan range                          | 23 - 120 Hz               | Built-in speaker(s) *             | ✓                                                                                                                                                                                                                                                                               |
| Keystone correction, horizontal              | -40 - 40°                 | RMS rated power                   | 10 W                                                                                                                                                                                                                                                                            |
| Keystone correction, vertical                | -30 - 30°                 | <b>Design</b>                     |                                                                                                                                                                                                                                                                                 |
| <b>Light source</b>                          |                           | Market positioning *              | Business                                                                                                                                                                                                                                                                        |
| Light source type *                          | Laser                     | Product type *                    | Standard throw projector                                                                                                                                                                                                                                                        |
| Service life of light source *               | 20000 h                   | Product colour *                  | Black                                                                                                                                                                                                                                                                           |
| Service life of light source (economic mode) | 38000 h                   | Cable lock slot                   | ✓                                                                                                                                                                                                                                                                               |
| <b>Lens system</b>                           |                           | Cable lock slot type              | Kensington                                                                                                                                                                                                                                                                      |
| Zoom capability                              | ✓                         | <b>Power</b>                      |                                                                                                                                                                                                                                                                                 |
| Zoom ratio                                   | 1.1:1                     | Power source *                    | AC                                                                                                                                                                                                                                                                              |
| Throw ratio                                  | 1.127 - 1.697             | Power consumption (typical) *     | 450 W                                                                                                                                                                                                                                                                           |
| <b>Video</b>                                 |                           | Power consumption (standby) *     | 0.5 W                                                                                                                                                                                                                                                                           |
| Analog signal format system *                | NTSC, PAL, SECAM          | Power consumption (max)           | 500 W                                                                                                                                                                                                                                                                           |
| Full HD *                                    | ✓                         | Power consumption (economy mode)  | 350 W                                                                                                                                                                                                                                                                           |
| 3D *                                         | ✓                         | AC input voltage                  | 100 - 240 V                                                                                                                                                                                                                                                                     |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                                                                                                           |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Video</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Operational conditions</b>  |                                                                                                           |
|                                | 640 x 512, 640 x 640, 640 x 160, 640 x 352, 640 x 360, 640 x 400, 640 x 480 (VGA), 640 x 544, 640 x 576, 640 x 960, 704 x 480, 704 x 576, 720 x 350, 720 x 400, 720 x 480, 720 x 576, 720 x 720, 752 x 582, 768 x 432, 768 x 448, 768 x 494, 768 x 576, 800 x 448, 800 x 450, 800 x 480 (WVGA), 800 x 500, 800 x 592, 800 x 600 (SVGA), 832 x 624, 832 x 642, 848 x 480, 854 x 480 (WVGA), 900 x 720, 960 x 960, 960 x 480, 960 x 540, 960 x 576, 960 x 720, 1024 x 576 (WSVGA), 1024 x 600, 1024 x 640, 1024 x 768 (XGA), 1024 x 800, 1032 x 452, 1056 x 144, 1080 x 1080, 1152 x 864 (XGA+), 1152 x 870, 1200 x 1600, 1200 x 1920, 1280 x 1024 (SXGA), 1280 x 720 (HD 720), 1280 x 768 (WXGA), 1280 x 768, 1280 x 800 (WXGA), 1280 x 800, 1280 x 960, 1280 x 1280, 1284 x 560, 1296 x 732, 1360 x 768 (WXGA), 1366 x 480, 1366 x 760, 1366 x 768, 1366 x 768, 1368 x 768, 1376 x 768, 1400 x 1050 (SXGA+), 1400 x 1080, 1400 x 900, 1440 x 1050, 1440 x 1080, 1440 x 234, 1440 x 900 (WXGA+), 1440 x 900, 1440 x 912, 1536 X 6144, 1536 x 2048, 1536 x 1536, 1600 x 1200 (UXGA), 1600 x 1280, 1600 x 600, 1600 x 900, 1600 x 904, 1680 x 1050 (WSXGA+), 1680 x 1056, 1920 x 1080 (HD 1080), 1920 x 1200 (WUXGA), 1920 x 1440, 1920 x 1600, 1920 x 2160, 1920 x 480, 1920 x 502, 1920 x 1920, 1920 x 720, 1920 x 832, 2032 x 1920, 2048 x 1080, 2048 x 1152, 2048 x 1280, 2048 x 1520, 2048 x 1536 (QXGA), 2048 x 1640, 2048 x 2560, 2048 x 2048, 2192 x 2192, 2304 x 1296, 2304 x 1728, 2520 x 1520, 2550 x 1440, 2560 x 1080, 2560 x 1440, 2560 x 1600 (WQXGA), 2560 x 1656, 2560 x 1920, 2560 x 1944, 2560 x 2048, 2592 x 1520, 2592 x 1944, 2640 x 2640, 2688 x 1512, 2688 x 1520, 2800 x 2100, 2880 x 1264, 2880 x 1620, 2880 x 2880, 2880 x 2160, 2944 x 1656, 2992 x 2244, 3072 x 1728, 3072 x 2048, 3200 x 1800, 3264 x 2448, 3280 x 2048, 3440 x 1440, 3648 x 2736, 3840 x 1200, 3840 x 2160 | Operating temperature (T-T)    | 0 - 40 °C                                                                                                 |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Weight &amp; dimensions</b> |                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Width                          | 479.6 mm                                                                                                  |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Depth                          | 402 mm                                                                                                    |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Height                         | 182.8 mm                                                                                                  |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Weight *                       | 12 kg                                                                                                     |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Packaging content</b>       |                                                                                                           |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Remote control included *      | ✓                                                                                                         |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Batteries included             | ✓                                                                                                         |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cables included                | AC                                                                                                        |
|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Packaging content              | Installation Guide Safety Guide Remote Control (RCA024) AA Batteryx2 Power Cord Warranty card (by Region) |
| Supported graphics resolutions |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                                                                                                           |
| Supported video modes          | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |                                                                                                           |
| <b>Ports &amp; interfaces</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                                                                                                           |
| USB 2.0 ports quantity *       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                                                                                           |
| Mini-USB 2.0 ports quantity    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                                                                                           |
| Audio (L/R) in *               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                                                                                           |
| Audio (L/R) out                | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                                                                                           |
| Serial interface type *        | RS-232                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                |                                                                                                           |
| PC in (D-Sub)                  | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                                                                                           |
| HDMI ports quantity *          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                                                                                           |
| <b>Network</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                                                                                                           |
| Ethernet LAN *                 | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |                                                                                                           |



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