



CellInsight CX7 LED Pro HCS Platform

Thermo Scientific™ CellInsight™ CX7 LED Pro HCS Platform—technical specifications

| Optics | | | | | |
|---|--|--|---------------------------------------|---|--|
| Camera | Photometrics™ high-resolution fluorescence camera: <ul style="list-style-type: none"> • High-resolution, thermoelectrically cooled to -20°C • >95% peak quantum efficiency (QE) • Low-background 1.0-electron read noise • Detection: 16-bit, 65,536 shades of gray | | | | |
| Light source | LED, solid-state, 7-color light engine for fluorescence excitation; the 6 lower excitation wavelengths are generated from LEDs, and the 747 nm excitation is from a laser diode; offers the following excitation/emission capabilities (Ex/Em, in nm, of Invitrogen™ Alexa Fluor™ dyes): <ul style="list-style-type: none"> • 386/440 (e.g., Alexa Fluor 350 dye) • 438/480 (e.g., Alexa Fluor 405 dye) • 485/521 (e.g., Alexa Fluor 488 dye) • 549/600 (e.g., Alexa Fluor 555 dye) • 560/607 (e.g., Alexa Fluor 594 dye) • 650/694 (e.g., Alexa Fluor 647 dye) • 740/810 (e.g., Alexa Fluor 750 dye) | | | | |
| Objectives | <table border="0"> <tr> <td>Standard (Olympus™ objectives):</td> <td>Optional (Olympus objectives):</td> </tr> <tr> <td> <ul style="list-style-type: none"> • 10x (0.4 NA) • 20x (0.45 NA) • 20x (0.7 NA) • 40x (0.6 NA) </td> <td> <ul style="list-style-type: none"> • 1.25x (0.04 NA) • 2x (0.08 NA) • 4x (0.16 NA) X-line • 20x (0.8 NA) X-line • 40x (0.95 NA) X-line • 60x (0.90 NA) </td> </tr> </table> | Standard (Olympus™ objectives): | Optional (Olympus objectives): | <ul style="list-style-type: none"> • 10x (0.4 NA) • 20x (0.45 NA) • 20x (0.7 NA) • 40x (0.6 NA) | <ul style="list-style-type: none"> • 1.25x (0.04 NA) • 2x (0.08 NA) • 4x (0.16 NA) X-line • 20x (0.8 NA) X-line • 40x (0.95 NA) X-line • 60x (0.90 NA) |
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| Image compatibility | JPG, BMP, GIF, PNG, TIF, C01, DIB | | | | |
| Physical characteristics | | | | | |
| Dimensions (H x W x D) | 20 x 32 x 18 in. (50.8 x 81.3 x 45.7 cm) | | | | |
| Weight | 68 kg (150 lb) | | | | |
| System | | | | | |
| Data management | Compatible with Thermo Scientific™ Store™ Image and Database Management Software | | | | |
| Software | Thermo Scientific™ HCS Studio 5.0 Cell Analysis Software including EurekaScan™ Finder double-pass functionality | | | | |
| PC | Microsoft™ Windows™ 10 professional 64-bit PC with 32 GB (4 x 8 GB) RAM, Intel™ Xeon™ processor with 3.7 GHz Turbo frequency, RAID I controller with 1.8 TB hard drive and 256 GB boot drive; includes Dell™ 24 in. high-resolution widescreen monitor or equivalent, keyboard, and mouse | | | | |
| Wattage | 300 W | | | | |

Ordering information

| Instrument | Cat. No. |
|--------------------------------------|---------------|
| CellInsight CX7 LED Pro HCS Platform | HCSDCX7LEDPRO |

 Find out more at thermofisher.com/hcs

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