



CellInsight CX7 LZR Pro HCS Platform

Thermo Scientific™ CellInsight™ CX7 LZR 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, 65,356 shades of gray 		
Light source	High-output, laser-based illumination; configured for imaging in the UV range through near-IR range with the provided filter sets.		
Objectives	<table border="0"> <tr> <td style="vertical-align: top;"> Standard (Olympus™ objectives): <ul style="list-style-type: none"> • 10x (0.4 NA) X-line • 20x (0.45 NA) Achromplan™ system • 20x (0.7 NA) • 40x (0.6 NA) </td> <td style="vertical-align: top;"> Optional (Olympus objectives): <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): <ul style="list-style-type: none"> • 10x (0.4 NA) X-line • 20x (0.45 NA) Achromplan™ system • 20x (0.7 NA) • 40x (0.6 NA) 	Optional (Olympus objectives): <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 LZR Pro HCS Platform	HCSDCX7LZRPRO

 Find out more at thermofisher.com/hcs

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