

Software

- Proprietary image acquisition and processing software
- Powerful analysis software/Dell Precision computer
- Windows 10

Illumination/Optics

- 1 LED-based enhanced brightfield imaging channel with uniform well illumination
- **3** LED-based fluorescent channels
- Proprietary F-theta lens with superior well edge-to-edge contrast
- Galvanometric mirrors for fast imaging of large areas
- Large chip CCD camera (2024 x 2024 pixels)
- 1, 2, 4 or 8 μm /pixel resolution

Fluorescent Channels

Channel	Excitation	Dichroic	Emission	Typical Dyes
Blue	377/50	409	470/22	Hoechst, DAPI
Green	483/32	506	536/40	FITC, Calcein, GFP, AlexaFluor® 488
Red	531/40	593	629/53	R-PE, PI, Texas Red, AlexaFluor® 568

Plate Compatibility

- 6, 12, 24, 48, 96, 384, 1536 well plates (black, white and clear wall plates)
- T-25 and T-75 flasks
- Slides and cell arrays plate profiles available upon request

High-Speed Imaging

- Less than 2 minutes per 384-well plate