Mephisto CX PRO

Based on the Mephisto 3d scan engine.
Build around an Machine vision Camera, based on a 1/3'' light sensitive Sony sensor.
Completed with a varifocal lens. Working optimal with an Optoma EW330 ultra compact projector, producing professional scanning results for static objects . Optionally the CX-PRO Mobile scanner can have the SteadyScan (motion compensation) enabled, compensating for breathing and heartbeat during scanning. (This is an option for the standard Mobile PRO and standard in the Facescan version).

Output is in .obj / .ply / .stl / .png or .ascii
Data can be saved in wireframe or point cloud with or without colour information.
This Travel Kit comes fully equipped in an in-flight travel case with compact light weight optical mounting components.

Technical Specification

Main geometry camera	Firewire 800, 1.3 Mp
Geometry Resolution	1280 x 960 8 bits
Standard Texture Resolution	1280 x 960 8 bits
Lens mount	C Mount
Standard lens	Computar Varifocal 5-50 mm
Suported texture cameras	Canon 1000D/ 1100D /500D/ 550D /40D/50D/5D Mark II /7D Mark II/ 1Ds
Max texture resolution	12.4 megapixels (with optional camera)
Projector type	Optoma EW330
Projector resolution	1280 x 800
Projector brightness	2200 ANSI Lumens
Working Range Near (m)	0.4
Working Range Far (m)	1.5
Acquisition Time (sec)	0.2 -0.5 (depending on settings)
Point to point distance (mm)	0.118 – 0.8
Point accuracy (mm)	0.15 (average)
Steady Scan	Yes (Motion Compensation)
Canon scanning	Optional for high-end texture / upgrade 3d
Computer	Laptop included (Scanning only)
Post processing	through Mephisto Process (Included)