

BodyScan Specifications 2004-01

bodySCAN Fast BodyScanner with High Resolution

technique	topometric metrology based on fringe projection
sensor configuration	4 topometric sensor units, each with MPT-projection unit and 2 digital cameras
light source	100 W halogen lamp per projection unit
digitization (x,y) [pixel]	640 x 480 per camera
field of view (FOV) of each camera	about 1.2 x 0.9 m
field of view (FOV) of each sensor	about 2.0 x 0.9 m
X,Y resolution	about 1.8 mm
sensor weight incl. floor-ceiling fixation	about 10 kg / per sensor unit
total acquisition time	about 2 – 3 sec
complete measuring volume	about 2 x 1.4 x 0.65 m
dimensions of complete setup	3.6 x 2.0 x 2.4 m
calibration	online calibration of single sensors and whole setup by means of calibration object with reference marks
controller	optoLINK package incl. cables
Host PC	Pentium IV; ≥ 2.5 GHz, ≥ 512 MB RAM

All data are preliminary and confidential, for internal use, only!