A picture containing wall, indoor, projector, miller

Description automatically generated

CMOS

L1

FES

M4

L5

DM1

sample

OBJ

CON

DM2

L4

ND

LED

L2

L3

M2

LSR

M1

QPD

M3

Diagram

Description automatically generated

LED

QPD

ND

DM2

OBJ

DM1

CMOS

FES

L5

L2

L3

L1

L4

M4

M2

M3

M1

M1

A picture containing wall, indoor, desk, appliance

Description automatically generated

Laser diode and controller

Beam expander (telescope)

Camera

Stage

Position detection module

Data acquisition module

Inverted microscope

LED lamp

Data handling

Export Data

Computer

Output Signal

Position of stage

Photo of sample

ThorCam

QPD

CMOS camera

I/O controller

Input

Move the stage

Stage voltage controller

Position of bead

Kinesis Software

LabVIEW

Input Signal

Strain Gauge Reader

Position Aligner

Piezo Controller

K-Cubes on a Controller Hub

Strain gauge