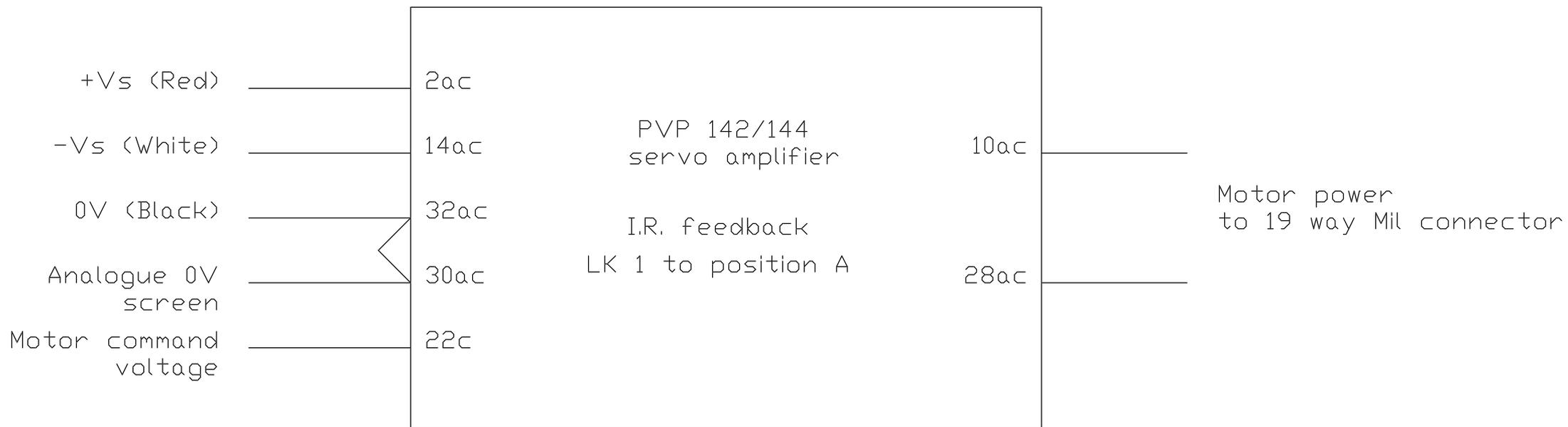
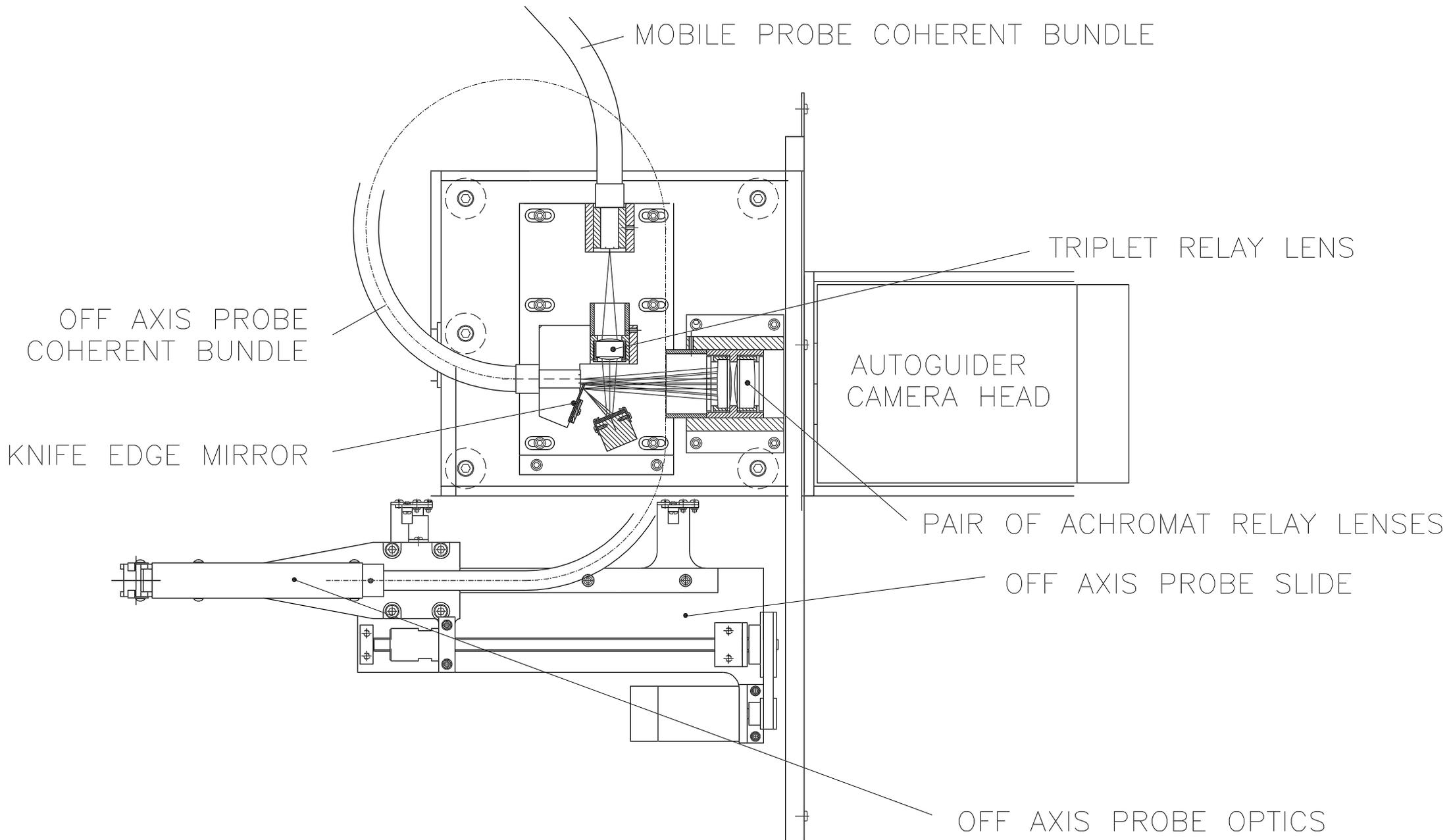


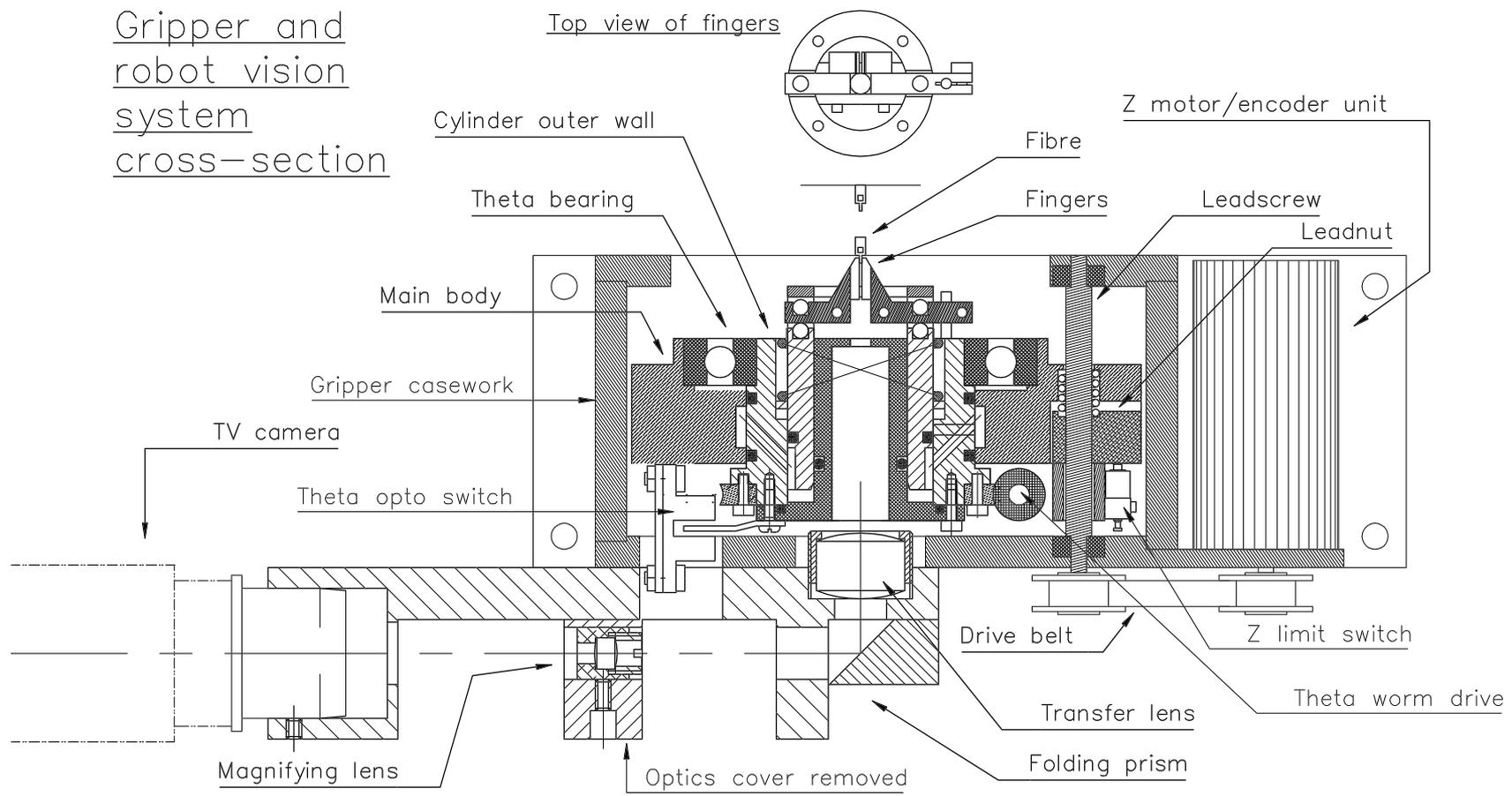
Figure 4 Power amplifier connections

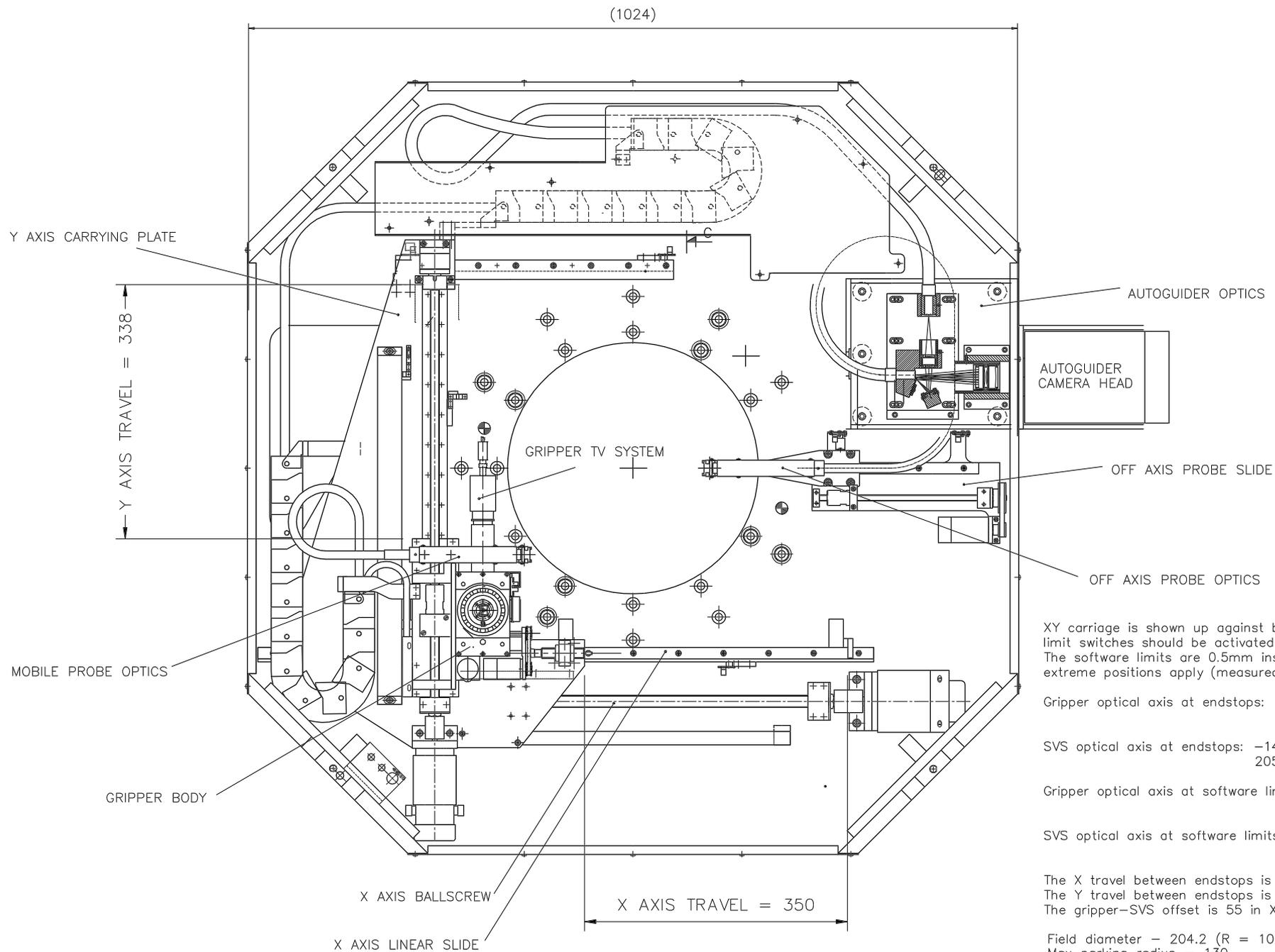


1. Pins 30ac and 32ac must be connected
2. Pins 22c and 30ac are a miniature coax cable from the 10 way Mil connector



Gripper and robot vision system cross-section





XY carriage is shown up against bottom left end stops. In operation the limit switches should be activated 10mm before the endstops are reached. The software limits are 0.5mm inside the limit switches. The following extreme positions apply (measured from the instrument centre).

Gripper optical axis at endstops: -200,-189 bottom left  
150,149 top right

SVS optical axis at endstops: -145,-115 bottom left  
205,223 top right

Gripper optical axis at software limits: -189.5,-178.5 bottom left  
139.5,138.5 top right

SVS optical axis at software limits: -134.5,-104.5 bottom left  
194.5,212.5 top left

The X travel between endstops is 350  
The Y travel between endstops is 338  
The gripper-SVS offset is 55 in X and 74 in Y

Field diameter - 204.2 (R = 102.1)  
Max parking radius - 130