# YSC 3D PowerScope Manual

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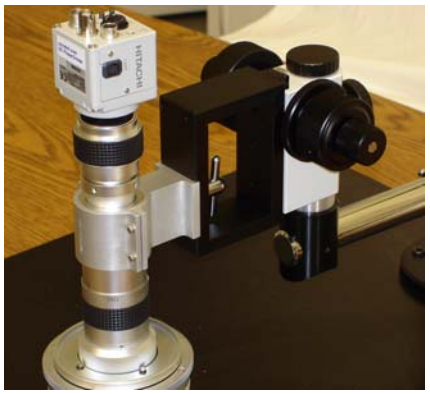
# 3D PowerScope Set Up

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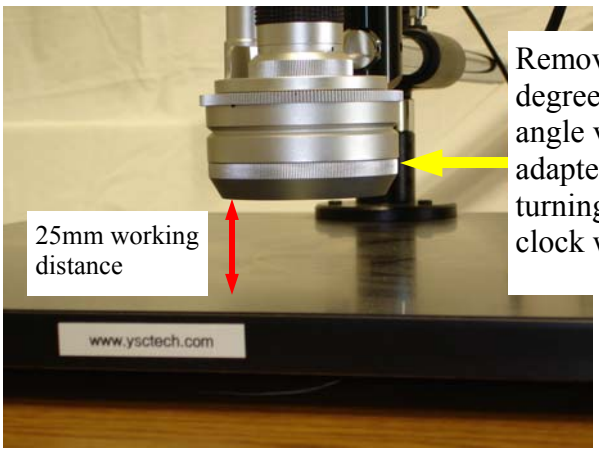
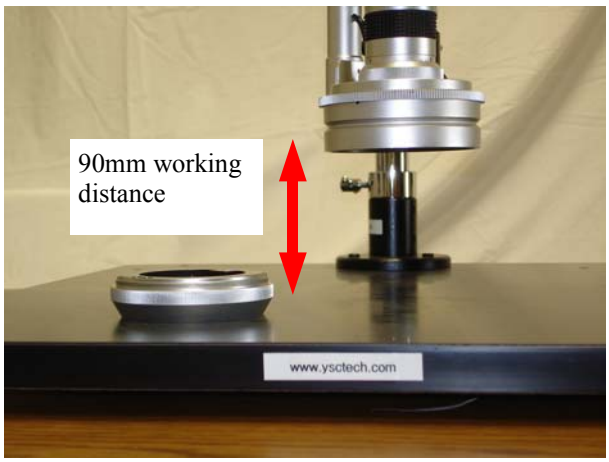
# 3D PowerScope Operation

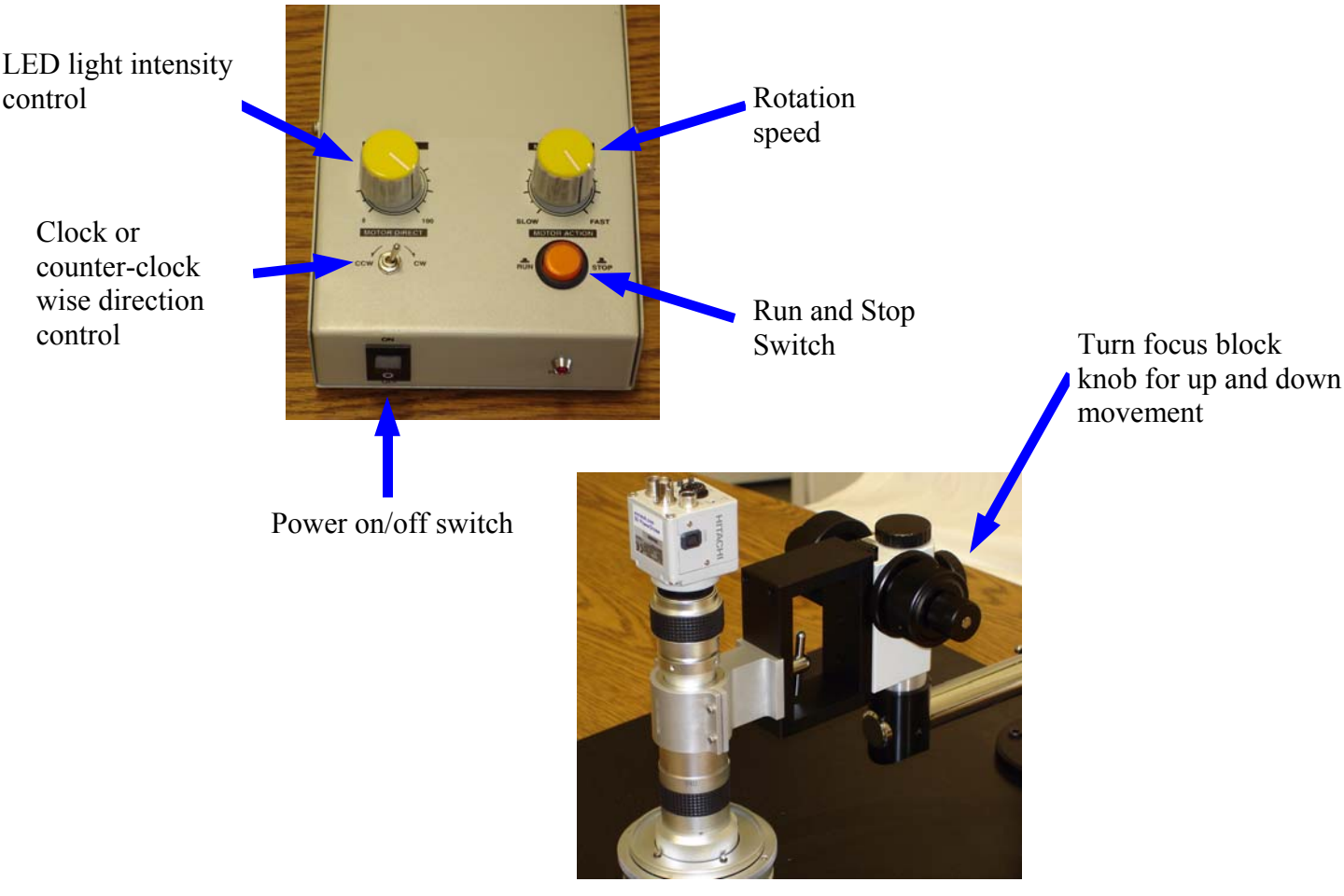
The operation of 3D PowerScope is very simple. When using the 45 degree oblique angle viewing adapter, the working distance is 25mm. With the straight viewing lens only (please un-screw the 45 degree viewer), the working distance is 90mm. For focusing the lens, adjust the focus block up and down to the proper working distance. When using 45 degree oblique angle viewing adapter, the center of rotation should stay relatively in the center by adjusting the focus block up or down. The control box can control direction, speed, stop/go and light intensity of internal LED.




The working distance for 45 degree oblique angle viewing adapter is 25mm




The working distance without the 45 degree oblique angle viewing adapter is 90mm

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## 3D Lens

# 3D Lens Parfocal Adjustments

Lens parfocal setting:

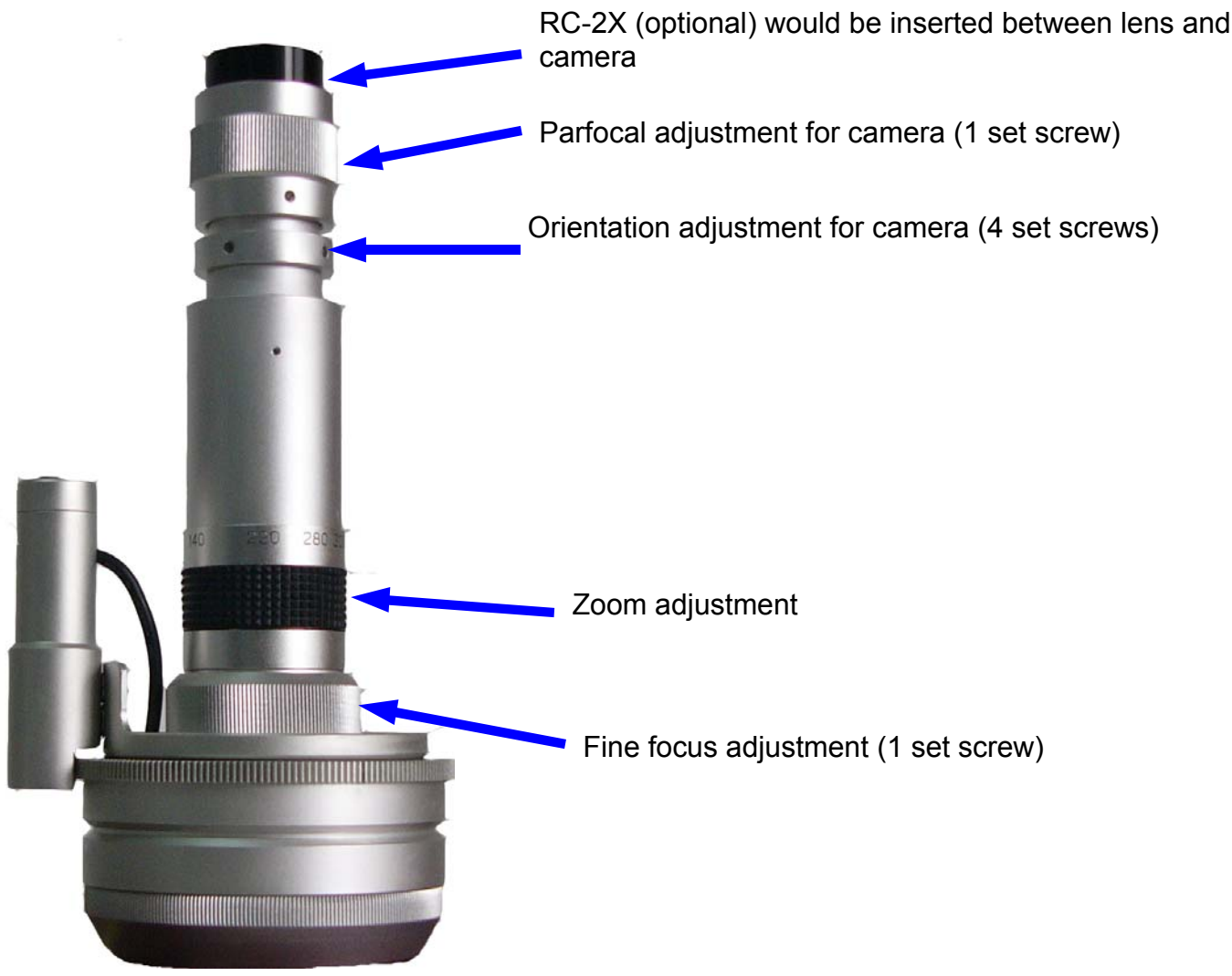
When using 3D oblique view, working distance is about 25mm (1”).
Adjust Zoom to about 200x with rotation on. Adjust focus block to correct height so image should be in the “middle” of screen
Zoom out to 50x, adjust parfocal setting for camera
Zoom in 300x, adjust fine focus ring if needed.

When using straight viewer, working distance is about 90mm
Adjust zoom to 300x
Adjust focus block to correct height so image is in focus
Zoom out to 50x, adjust parfocal setting for camera

RC-2X installation:

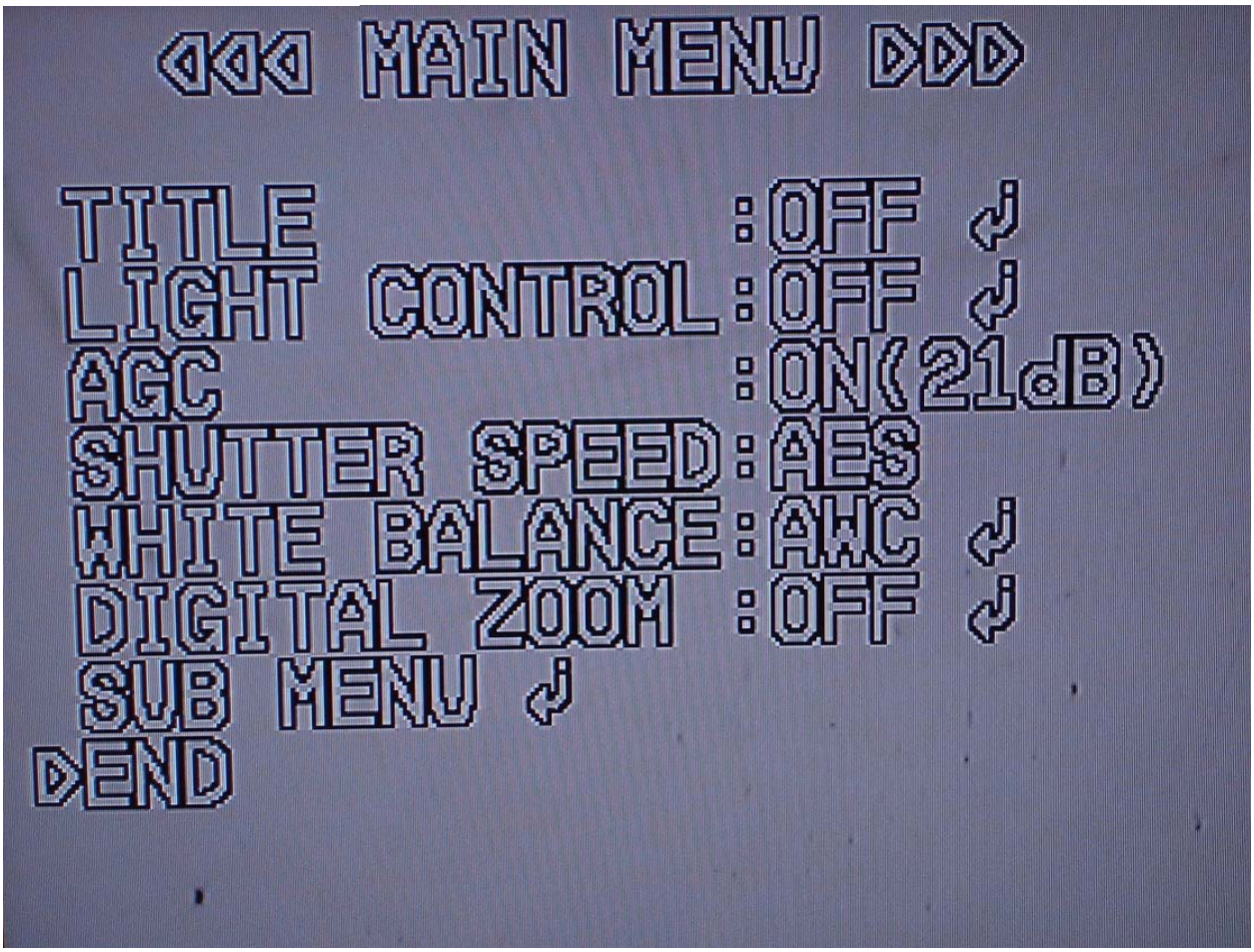
When needed, can be inserted between the lens and camera. You may need to adjust the camera orientation by adjusting the 4 set screws with allen wrench.

Please call 510.226.0889 or e-mail info@ysctech if any questions.



If you have HD 1080p model, please follow below connections.

# 3D PowerScope Camera Settings




Recommended camera settings. You can also decrease or turn off AGC if image is too bright. Please refer to camera operation manual for details.

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