Type 4 barn door tracker

Building plans • Scale 1:1
Lateral view
Scale 1:1

Original design by Dave Trott, http://davetrott.com/inventions/double-arm-barn-door-drive

Seating for ballhead mount
8mm (3/8") bolt + flat washer

Tripod mounting block, position modifyable to balance camera weight & direction

1 RPM Stepper motor can be attached here

6mm (1/4") - 20 pitch drive rod

32mm (1.25") Aluminium tubing. Min. 45 cm (2)

Camera platform
Drive arm
Contact point

Miscellaneous materials
6mm Slotted machine screws + nuts (4)
6mm Flat washer (8), 75mm Hinge (3)
Wood- and dry-wall screws (as required)

6mm Acorn or security nut

6mm (1/4") - 20 pitch drive rod

Carriage bolt (4") + lock washer, flat washer, wing nut (2)

Oregon pine, 2x3"

6mm Slotted machine screws + nuts (4)
6mm Flat washer (8), 75mm Hinge (3)
Wood- and dry-wall screws (as required)

<table>
<thead>
<tr>
<th>inch</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>r</td>
<td>16.656</td>
</tr>
<tr>
<td>b</td>
<td>10.000</td>
</tr>
<tr>
<td>c</td>
<td>4.575</td>
</tr>
</tbody>
</table>
Front view
Scale 1:1

Tube / fixation bolt

Camera platform

Drive arm

6mm (1/4") - 20 drive rod

20x50mm metal angle

1 RPM Stepper motor can be attached here

Tripod / Azimuth mount bolt

Tube fixation bolt

Original design by Dave Trott, http://davetrott.com/inventions/double-arm-barn-door-drive

<table>
<thead>
<tr>
<th>inch</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>r</td>
<td>16.656</td>
</tr>
<tr>
<td>b</td>
<td>10.000</td>
</tr>
<tr>
<td>c</td>
<td>4.575</td>
</tr>
</tbody>
</table>
Top view support platform
Scale 1:1

32mm (1.25") Aluminium tubing. Min. 45 cm

Tripod / Azimuth mount bolts

<table>
<thead>
<tr>
<th>inch</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>r</td>
<td>16.656</td>
</tr>
<tr>
<td>b</td>
<td>10.000</td>
</tr>
<tr>
<td>c</td>
<td>4.575</td>
</tr>
</tbody>
</table>

Original design by Dave Trott, http://davetrott.com/inventions/double-arm-barn-door-drive