

## **ALWAYS**

Carry scanner by handles on base  
Avoid stress to scanner head  
Power off scanner before moving  
Store scanner without battery  
Transfer scanner in hard case

## **ONLY**

Clean the optical surfaces with compressed N<sub>2</sub>  
Use provided lens cloth dampened with water if necessary  
Clean metal surfaces with soft cloth and warm water

## **SCANNER OPERATION:**

Set tripod at location; **SECURE** feet in ground unless on solid surface

If not already attached, **ATTACH** tribrach to tripod

**LEVEL** with bubble level on tribrach

Set scanner in tribrach, **LATCH** tribrach completely

**LEVEL** scanner with bubble level in base of scanner

If not already inserted, **INSERT** battery while watching indicator light on base front – **VERIFY** 2 blinks

**ATTACH** prism to top of scanner if shooting scanner location

**POWER ON** scanner with red button on remote

Scanner takes a few minutes to initialize; initialization is complete when indicator light is solid green.

**LEVEL** scanner with level inside scanner glass:

Use + / - buttons on remote to turn head to each of four directions.

Head will not rotate around completely. When it hits the safety stop, rotate the opposite direction.

You may do this while scanner is initializing.

**BACKSITE** to known location:

Remove telescope eyepiece cover; Use + / - buttons to turn head

Use round knob under eyepiece to adjust focus; Clockwise moves focus away

Adjust telescope eyepiece focus to make crosshairs in lens sharp; Replace telescope eyepiece cover

**SHOOT** scanner location or **MARK** scanner position by looking through tribrach eyepiece

Once green light is solid, **CONNECT** ethernet cable to scanner

## **USING HHC:**

Click **Connect to scanner** (on menu across top)

**NAME** scans:

Make sure Survey Stations is selected at bottom

Enter survey station database name (same for all scans that you want to mash up)

Select scanner location from menu or select “new location” and enter location name

Select back site from menu or select “new location” and enter location name


Enter scanner height to screw on scanner base or negative distance to prism on scanner head (mm)


Click **Acquire**

**SELECT** area to scan with whole screen (top right of photo) or draw box with pen

See diagram below for scan options

**CHECK:**

Indicator in lower left corner =  (if not, return to setup and select auto preview and level check)

Some area of the Azimuth bar  = blue

Click **Scan** and **remove your person** from scanning area

Click **Setup** in upper menu

**POWER OFF** scanner with power button on right menu

SHUTDOWN – click **HIBERNATE** on HHC to save HHC battery

