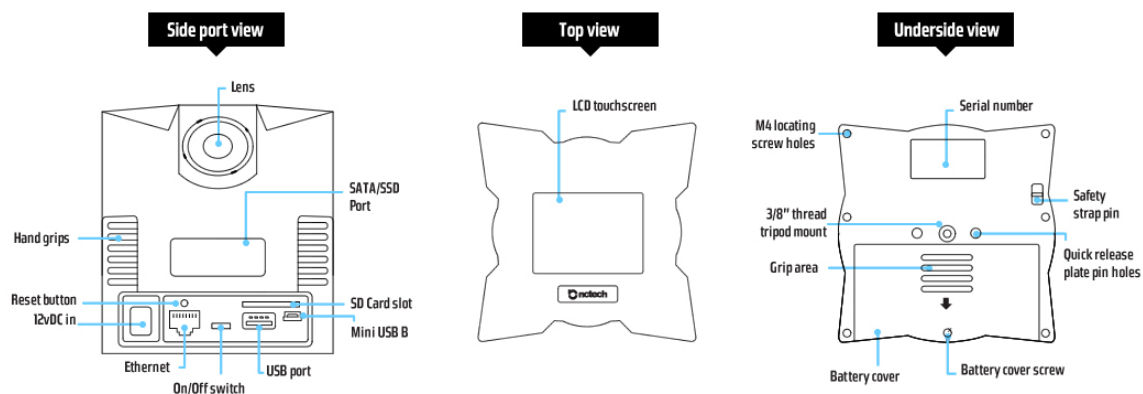


iStar Technical Specifications

Overview



Operation



Body Dimensions and Field of View



Models

iStar Fusion

Body and Controls

- Material: Rugged hard anodized aluminium, dust and splash proof (IP64) with rubber sealed connections.
- Dimensions and weight: 104mm x 104mm x 115mm, approx. 1.4 kg
- Mount: 1/4" tripod thread
- No moveable mechanics in lens and optics assembly
- Removable battery
- Internal Wifi antenna
- White LED night pack
- 18bit colour 2.4" resistive LCD touchscreen
- Power on/off
- Factory Reset
- Firmware updatable online

Imaging

- Full spherical 360° x 275° (+/- 5°) image comes from 4 independent lenses that capture simultaneously.
- 4 x 10Mp sensors/50 effective megapixels output for resolutions up to 10,000 x 5000 pixels (+/- 7%)
- Auto white balance
- Fixed focus, fixed aperture
- Capture time approx. 4 to 6 seconds for full 360° image (1 exposure)
- Automatic HDR processing
- In-picture mode so that the user is not present in the picture
- Audio alert indicator
- Timer capture delay
- Immersive playback of images with zoom and pan controls

Output file types

- PNG, JPG, Equirectangular and cube formats

Connectivity

- DC input socket WiFi 802.11b/g/n
- Gigabit Ethernet (RJ45) port USB2 ports: type A/mini type B
- SD/SDHC card socket AdHoc remote WiFi connectivity

Battery and Power

- Rechargeable, removable lithium ion 7.4V 4400mAh battery
- 12V mains power adapter, 2.1mm jack
- Approx. 6 to 8 hours battery life in use /48 hours standby mode
- Optional external battery providing extended operational use

Data Storage

- Removable SD/SDHC card up to 32GB, FAT format

OS Compatability

- Windows

iStar Pulsar (added capabilities over Fusion)

Controls

- Live wireless remote control and preview to a tablet
- Global wired remote operation over Ethernet

Sensors

- Tilt & roll: auto level image correction
- Digital compass: magnetic north tagging to the data produced

Post Processing

- Ability to Post Process in Batch
- Batch exposure stacking (HDR) 1 to 7 exposures per image

Rapid "video" fast capture

4 unprocessed image streams
Full res: 50 megapixel output, 1 FPS
Half res: 3 FPS
Quarter res: 10 FPS
Output: gigabit ethernet connection

SDK - Advanced integrations

- Windows SDK available to allow integration with existing 3rd party software applications.
- The SDK will allow the istar to be controlled or communicate directly with systems such as remote monitoring or face detection.

iStar Pulsar IR (added capabilities over Pulsar)

Ability for capturing images, time-lapse sequences and 360 video in settings with no light.