



# istar<sup>®</sup> 360 DEGREE RAPID IMAGING

## iSTAR TECHNICAL DATA

iSTAR is available in two software models - FUSION and PULSAR, both of which capture the full spherical environment. PULSAR offers extended capabilities over FUSION, including speed and time saving features to speed up productivity and provide even higher quality HDR images.

### iSTAR SPECIFICATIONS - FUSION/PULSAR

<b>BODY</b>	Dimensions: 104mm x 104mm x 115mm Weight approx. 1.4Kg Material: Aluminium hard anodised Protection IP64: Rugged, robust, splash proof, dust proof Mount: 1/4" tripod thread Removable battery Internal Wifi antenna Rubber seals reveal DC input, SD, HDMI, USB and Ethernet ports Inverted mount (Optional/available soon) White LED night pack (Optional/available soon)
<b>IMAGING</b>	Full spherical 360° x 275° +/- 5° image Simultaneous and independent capture from 4 lenses 4 x 10Mp sensors/effective 50 megapixel output Up to 10,000 x 5000 +/- 7% Capture time approx. 8 seconds for full 360° image (1 exposure) Auto white balance Auto TTL metering Fixed focus, fixed aperture No moveable mechanics in lens and optics assembly High dynamic light range sensitivity
<b>LIVE REMOTE CONTROL &amp; PREVIEW TO OPTIONAL TABLET</b>	Remote control and enhanced iSTAR functionality over Wifi Remote Wifi Live 2D preview up to 25 FPS Live status including GPS, temperature, Wifi, battery, storage Safe encrypted remote viewing over SSL Immersive playback of stored images with zoom and pan controls
<b>SENSORS</b>	GPS: coordinate tagging image data Temperature: overheating protection
<b>OUTPUT FILE TYPES</b>	PNG, JPG, RAW/Equirectangular and cube formats

<b>INTERNAL PROCESSING</b>	Image stitching and blending Enhanced HDR: Configurable sequential exposures (3 exposures) Automatic HDR processing on/off In-picture mode (does not capture user in image)
<b>OPTIONAL EXTERNAL PC PROCESSING</b>	Immersive playback of images with zoom and pan controls
<b>CAMERA CONTROL INTERFACE</b>	18bit colour 2.4" resistive LCD touchscreen, can be used with gloves on Power on/off Factory reset All iSTAR features available through touchscreen and configureable Stealth night mode screen setting Audio alert indicator Timer capture delay
<b>BATTERY AND POWER</b>	12V mains power adapter, 2.1mm jack Rechargeable, removable lithium ion 7.4V 4400mAh battery In-camera battery charging/Optional external charger Approx. 6 to 8 hours battery life in use /48 hours standby mode Soft power on/off Battery level display/power down when low
<b>CONNECTIVITY</b>	DC input socket Gigabit Ethernet (RJ45) port SD/SDHC card socket Built in DHCP server WiFi 802.11b/g/n USB2 ports: type A/mini type B Remote Tablet interface over SSL
<b>STORAGE</b>	Removable SD/SDHC card supports 32GB, FAT format
<b>RATINGS</b>	IP64 . CE/FCC
<b>OPERATIONAL RANGE</b>	Temperature: 0°C to 50°C
<b>FIRMWARE</b>	Updatable online
<b>COMPATIBILITY</b>	MAC/Windows

### iSTAR PULSAR EXTENDED SPECIFICATION

Below are the extended functionalities included with iSTAR PULSAR.

<b>LIVE REMOTE CONTROL AND PREVIEW TO OPTIONAL TABLET</b>	Live up to 25 to 60 FPS preview Live interactive "street view style" video preview and 2D flat view Pinch zoom, swipe to pan
<b>SECURE WIRED REMOTE CONTROL</b>	Global remote operation over Ethernet, infrastructure Live interactive "street view style" video preview and 2D flat view Full screen view in live and playback modes
<b>SENSORS</b>	Tilt & roll: auto level image correction Digital compass: magnetic north tagging to image data

<b>OPTIONAL EXTERNAL PC PROCESSING</b>	Batch post processing feature Batch exposure stacking (HDR) 1 to 11 exposures per image (Equiv. 60 stops)
<b>STORAGE</b>	External USB mass storage Network attached storage (NAS)
<b>FAST CAPTURE FOR POST PROCESSING</b>	4 unprocessed image streams Full res: 50 megapixel output, 1 FPS/ Half res: 3 FPS/Quarter res: 10 FPS Output: gigabit ethernet connection

**ADVANCED INTEGRATION - SDK**  
MS Windows compatible Software Development Kit 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 and much more.

Descriptions and technical specifications are not binding and may change without notice. Certain specifications and features listed may require a Firmware update to be operational.



**CONTACT OUR AUTHORISED RESELLER**

