



**The Labpano (formerly Pisoftech) PILOT ERA is superior quality compact four lens 360° panoramic camera with 8K resolution for taking both video and photos.**

The Pilot Era is a professional VR360 camera that features built in stitching with no requirement for a PC. The camera is capable of stitching images live and streaming 4K video at 30fps.

With synchronised sensors and colour the Pilot Era produces a superior quality image from a very compact camera. The camera has a large 7200 mAh battery allowing it to live-stream for up to 3 hours. The camera also features a touch screen monitor enabling users to preview the scene without having to utilise the PilotGo app.

Focus on storytelling rather than technical issues.

**Sophisticated**

**Superior**

**Compact**

**Powerful**

### Labpano PILOT ERA 360° CAMERA SYSTEM

# PILOT ERA<sup>TM</sup>

#### Specifications:

- First True All-in-One 8K 360° VR camera system
- Compact Camera
- 8K Video and Photo
- Fast 100% 8K In-camera Stitching
- Standalone 4K Live-Streaming
- 4 x 185° 2.2mm F2.28 high resolution lenses
- 4 x Built in mic with Ambisonic sound
- 3.1" Touch Screen
- Android- based OS (Connects to Mac with 3rd party app)
- 512GB UFS Storage
- 4G / WiFi / Ethernet
- 9-axis stabilisation
- GSV Optimised
- 'PilotGo' App. Control of Professional Settings
- Nadir (Bottom) logo image option
- Up to 3.5 hours continuous recording time
- COMPACT aluminium alloy and PMMA housing
- Passive heat dissipation (no fan noise)
- Time Lapse supported
- Camera weighs <0.7 KG
- 1 year warranty

#### APPLICATIONS

**The Pilot Era camera is ideal for:**

- Live Streaming
- Media and Newsgathering
- Google & Facebook & compatible
- Street View (Send straight to GSV)
- Real Estate
- Travel
- Education



Supports Google Street View  
in Photo and Video Modes



SeeSense are able to provide full technical assistance for this camera. Please contact SeeSense for further details and for accessory options.

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### Specification - Features

Image Sensor	4 x 12MP Sony 1/2.3" CMOS Image Sensors
Lens	4 x 185° 2.2mm F2.28 aspherical fisheye lenses
Frame Rate	4K@ 30 fps recording whilst Live-Streaming
Synchronization	50 µs level frame & real time 4 lens colour sync.
ISO	Auto, Manual (ISO 50~1600)
HDR	AUTO, Sunny, Cloudy / Indoor
Exposure Time	AUTO, 1/3200, 1/1000, 1/500, 1/100, 1/15
EV	-4 ~ 4
White Balance	AUTO, MANUAL Daylight, Cloudy, Incandescent, Fluorescent
Stitching Effect	Adjust in PRO mode 2m ~ ∞
Stabilisation	ON / OFF Real Time PilotSteady™ 9-axis gyroscope
Auto Level	When the camera is tilted or inverted the image remains vertical
Display	3.1 inch (diagonal) colour TFT - LCD multi touch display with 800 x 480 pixel resolution
Operating Time	Video Recording: Up to 4 hours Live Streaming: Up to 3 hours
Operating Temp.	Operating ambient temperature 0° to 40°C

### Storage

Storage Type	Internal 512 GB UFS storage (6.5 hours @ 8K)
Capacity	RAM: 4GB LPDDR4, ROM: 512GB UFS
Recording time	3.5 hours, Standby time > 30 hours

### Connectivity

Ethernet	RJ45: 100M / 1000M
WiFi	802.11 a/b/g/n/ac 2.4GHz & 5.8GHz (Signal range is 10m in open space. Max. preview rate of 30fps)
Bluetooth	V4.1
4G	Full Netcom (upgradeable to 5G)
SIM Card Slot	Nano Sim Card for live streaming
USB	USB-C for connection to PC / Multi-port Hub etc
Power	Bespoke battery 7200 mAh (3.5 hours @ 8k) Charging 5V 3A via USB-C connector

### Specification - Physical

Body Material	Aluminium Alloy & PMMA Housing
Dimensions	159mm x 61.4mm x 61.4mm
Weight	690 grammes
Camera Mount	1/4 UNC Standard tripod mount underneath

### Specification Performance - Video

Video Modes	Stitched Video, Unstitched Video, Time Lapse Video and Google Street View Video
Outputs	Real-time Stitching 8K (7680x3840)@ 7fps, 6K (5760x2880)@ 15fps 4K (3840x1920)@ 30fps, 2K (1920x960)@ 30fps In Camera Stitching 8K (7680x3840)@ 24fps, 6K (5760x2880)@ 30fps 4K (3840x1920)@ 30fps
Live Streaming	Protocol - RTMP, Mode 4K @ 30fps supported by Built-in and Custom Server*Records 4K @ 30fps while Live-Streaming
Stitching Algorithm	Real-time stitching & Optical flow stitching
Post Processing	Pilot Go App for iOS / Android by download
Live View & Control	On screen & via PilotGo app
GPS	Built in module
Video Encoder	H.265 / H.264
Video Format	MP4
Microphone	4 Built-In Microphones, Ambisonic sound External mic via USB-C
Audio Encoder	AAC

### Specification Performance - Photo

Photo Modes	Timelapse, HDR, Countdown
Outputs	Real-time Stitching 8192 x 4096, 6144 x 3072 or 4096 x 2048
Image Preview	Little Planet, Equirectangular, Fisheye / Rectilinear
Photo Format	JPG
Exposure Time	1/3200 -10 ~ 1/15
ISO Range	AUTO, 50 ~ 1600
EV	-4 ~ 4

### What's In the Box?

<b>Pilot Era Camera</b>	<b>Pilot Dock modular base</b>
<b>7200 mAh Battery</b>	<b>Silicon protective lens cap</b>
<b>Power adapter</b>	<b>USB-C Cable</b>
<b>Wiping Cloth</b>	<b>External Sound Card</b>
<b>User Manual</b>	<b>Warranty Card</b>

### Accessories

Labpano : Backpack with tripod, spare battery, etc  
Bushman 1.9m Corepole or Bushman 'The Claremont' Monopod  
If you have a specific requirement please contact SeeSense for advice.

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