



# INTRODUCTION TO TECHE 360STARLIGHT

Shenyang TECHE Technology Co., Ltd.

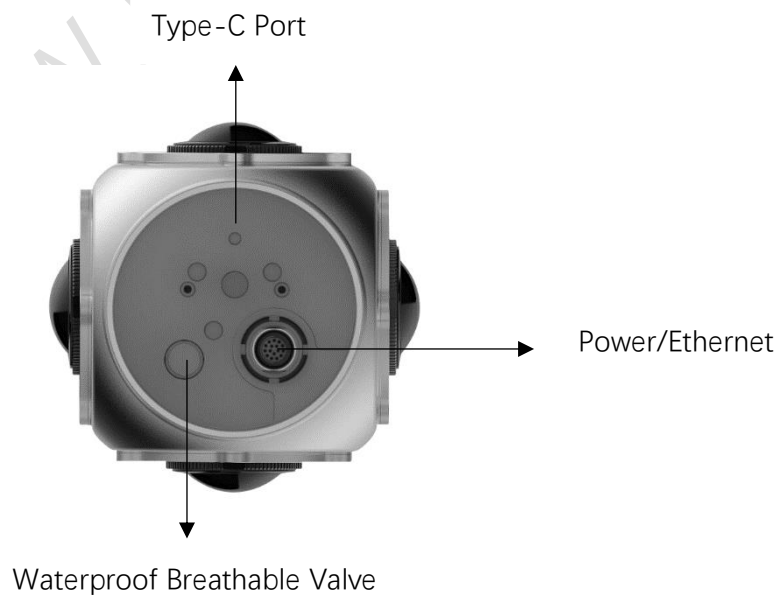
## ABOUT

360Starlight, introduced by TECHE, is one of the first 360 cameras supporting 8K in-camera real-time stitching and live stream. With its 4 Sony STARVIS sensors, it has been the best 360 camera for the low-light shooting and live streaming.

## Rao Jinhe

Presented by Life Pal Limited, official representative of TECHE for global market

# 1. Hardware Illustrations



## 2. Technical Specifications.

<b>Model</b>	EP2360
<b>Name</b>	360Starlight
<b>Photo Format</b>	JPG/DNG
<b>Video Format</b>	MP4
<b>Lens</b>	4 x F2.2 Fisheye Lenses
<b>Sensor</b>	Sony STARVIS; 1/1.8"; Pixel Size: 2µm x 2µm
<b>3D-Noise Reduction</b>	Support
<b>Focal Length</b>	2.3mm
<b>Field of View</b>	190°
<b>Max Photo/Video Size</b>	7,680 x 3,840
<b>Bit Rate Type</b>	CBR
<b>Main Live Streaming Resolution</b>	7,680 x 3,840
<b>Secondary Live Streaming Resolution</b>	1,920 x 960
<b>Video Codec</b>	H.264/H.265
<b>Color Depth</b>	8 Bit; 10 Bit
<b>Video Compress Bitrate</b>	1-100Mbps
<b>Audio Compression Standard</b>	AAC
<b>Audio Compression Bitrate</b>	32Kbps
<b>Internet Protocols</b>	srt/rtmp/rtsp/http IPV4/IPV6 TCP/UDP DHCP
<b>Built-in Wi-Fi Protocol</b>	802.11ac; 5.765Ghz; 40Mhz
<b>Wi-Fi Signal Coverage</b>	Approx. 15 Meters
<b>Power Input</b>	12.6V/4A, POE (30V)
<b>Power Interface</b>	Aviation Connector
<b>Material</b>	Aviation Aluminum Alloy
<b>Operation Temp.</b>	-30~45°, 90% RH, No Condensation
<b>IP Rating</b>	IP68; Fully Sealed, No Fan

<b>Dimensions</b>	172 x 68 x 68mm
<b>Weight</b>	approx. 950g

### 3. How to Use the Camera

#### 3.1 Introduction to camera ports

**Type-C:** It's for external audio device and footage transfer to PC/Mac (File transfer add required for Mac users). DO NOT TAKE OFF THE SEALING PLATE UNLESS NECESSARY. INSTALL THE SILICON RUBBER RING CORRECTLY FOR WATERPROOF.

**Power:** 16-pin Aviation Connector, 12V and POE supported. Align the white dot along with the one on the connector of the cable before putting it in. DO NOT SPIN/TURN AROUND THE CAMERA/CABLE WHEN PLUGGING IN THE CONNECTOR. DAMAGE OF SUCH KIND IS NOT ELIGIBLE FOR TECHE WARRANTY POLICY.

**Waterproof Breathable Valve:** DO NOT TAKE IT OFF OR THE CAMERA WON'T BE ELIGIBLE FOR TECHE WARRANTY POLICY.

#### 3.2 Power On/Off

No built-in battery. The camera will turn on automatically when it's connected to the power.

#### 3.3 Main View

It's the first viewing angle when playing in 360 mode.

#### 3.4 Photo Shooting & Video Recording

Download TECHE CENTER from Apple Store or [Android App here](#) to control the camera and PC software can also be used to controller the camera.

[Download Now.](#)

Photo shooting supports single shot and time-lapse.

#### 3.5 Live Streaming

In Live mode, RTMP/RTSP/RTMPS are supported. Please select the right resolution and upstream bitrate before clicking Live button.

**Transcoding/Dual Streaming Feeds:** When enabled, you can set up two streaming sessions for different streaming servers. It's suggested using

different resolution, i.e., 8K & 4K at the same time.

**YouTube/Facebook Live:** For YouTube Live, you need to create your new stream key and enable manual settings, so there won't be black hole on the top & bottom. For Facebook Live, you need to use third-party streaming software like OBS Studio for sending the feeds to Facebook. Refer to [this article](#) for the details.

### 3.6 Built-in Wi-Fi Configuration

Search Wi-Fi SSID named with 360Starlight on your smartphone or computer, use password **teche720** to connect it to the camera.

### 3.7 Software and Connections

**Connect the PC software to Camera:** Make sure your computer and camera are connected to the same intranet, i.e., connecting them to the same ethernet router. For more details, please read [this article](#).

### 3.8 Real-Time Audio Chat

Both Agora & TECHE audio chatting services are supported by TECHE cameras. With this feature, the live streaming host will be able to talk to the audiences who are watching with a VR headset that supports installing third-party app or with an App on your smartphone.

**Agora:** You need to register an Agora account for the keys and develop/integrate your app with Agora SDK. For more information, please visit [Agora website](#).

**TECHE:** Please contact us for more information for the services. Email us at [support@lifepalstore.com](mailto:support@lifepalstore.com)

### 3.9

#### Precautions

1. When connecting the power/ethernet cable to the camera, make use you've aligned the white dot on the connector to the one beside the DC/ethernet port before you push in the connector.
2. When pulling out the power/ethernet cable from the camera, pull out the safe rubber circle first before you pull out the connector. DO NOT turn the connector around or use force to pull it out, which is not guaranteed by the [TECHE Warranty Policy](#).
3. It's suggested that you turn the main lens to the major scene you want to show

to your audience for better watching experience.

4. It's suggested that you install the camera at a place with 2 to 2.5 meters height to achieve the best watching experience for human eyes.
5. Remove the lens protection covers before you use the camera. Keep the camera lenses safe and DO NOT get them scratched, which is not guaranteed by the [TECHE Warranty Policy](#).
6. DO NOT put the camera in the water without using waterproof case.
7. Install the robotic arm correctly, which is for live streaming outdoor for a long time, like monitoring or surveillance.

## Contact Us

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