

SAMSUNG

360 Round

Seamless creativity.



The 360 4K 3D camera to record, edit and stream complete VR video and audio, anywhere, anytime.

360 degrees is only the beginning. The Samsung 360 Round is a commercial-quality camera that offers features even cameras costing thousands more don't offer.

The unibody construction with fixed lens pairs allows for factory calibration with incredible accuracy and realism. The f1.8 lenses and 11.7 stops (70dB) of dynamic range capture greater detail in low-light environments. Six integrated microphones create rich 3D sound. And the IP65 rating lets you shoot in virtually any weather.

It's a new way of looking at the 360 camera. It's an invaluable new tool that will inspire fresh ways of looking at content. It's the Samsung 360 Round.



A complete experience.

The Samsung 360 Round is everything content creators have dreamed of: 360 3D image capture, 4K x 4K resolution, 3D sound. It's professional-quality, totally immersive VR, all in a compact unibody design.



17 lenses, including a top lens, capture immersive 3D spheres.



Rigid housing allows fixed, precise, factory calibration, for higher stitching quality.



Efficient cooling enables longer continuous shooting times.



Paired lens configuration creates more depth.



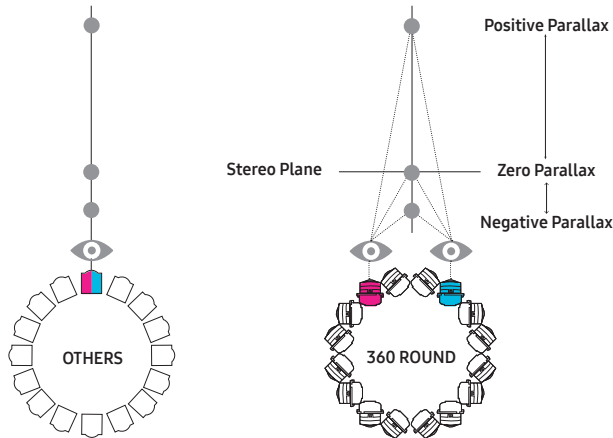
All 17 video and six audio sources can be saved to a single SSD or SD card.



Fanless cooling improves audio quality and allows a more compact design.

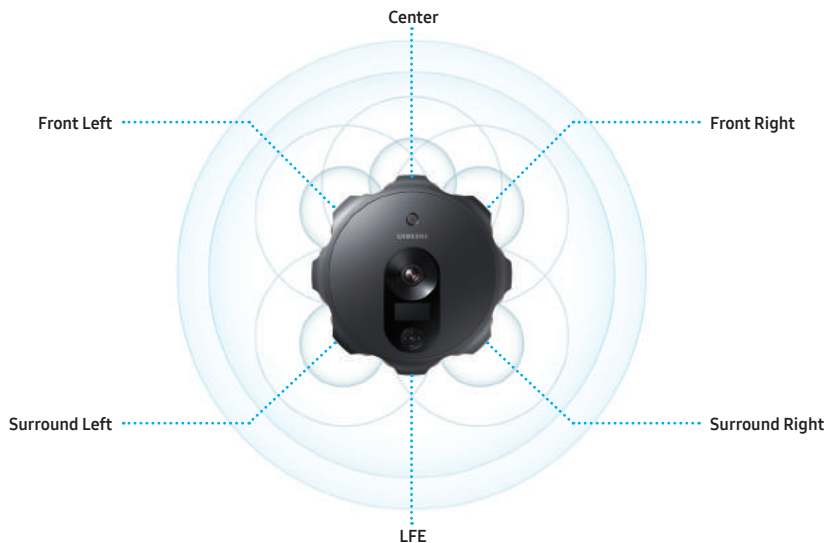
Fully immersive 360 3D image capture.

The 360 Round features 17 lenses in a stereoscopic 8-pair configuration with a single top-side lens, to capture 360-degree horizontal and 350-degree vertical views with no blind spots. And Samsung's precise factory calibration eliminates the need for separate calibration and alignment, for higher stitching quality. Viewers can enjoy truly immersive VR or live streaming experiences just as the creators intended them.



Six built-in microphones capture 3D sound.

The 360 Round's six strategically integrated microphones and two additional mic ports encode audio into standard 5.1 channels, for realistic 3D spatial audio reproduction. Seamless synchronization between video and audio delivers an enhanced live streaming experience.



Stunningly real 4K x 4K video.

Setting the standard for video professionals, the Samsung 360 Round's lens pairs deliver 4K x 4K video quality, which is twice that of single-lens camera designs. The 360 Round delivers unparalleled, distortion-free 3D optical rendering for stunning, true-to-life video quality.

Professional VR capability in a compact unibody design.

The 360 Round can store video and audio from all 17 cameras and six built-in microphones as a single file directly onto your PC, SD card or SSD.¹



¹PC, SD card and SSD sold separately.

Seamless creativity, seamless production.

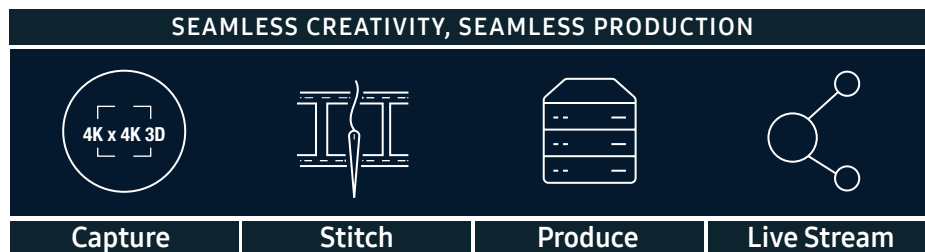
The Samsung 360 Round brings creative capability to content creators of all sizes. With a low barrier to entry along with easy expandability and flexibility, the Samsung 360 Round is made for your imagination.





Real-time streaming with minimal latency.

Push through creative boundaries. The 360 Round delivers real-time 4K x 4K (3D) streaming with minimal latency.¹ SDI card support enables you to live stream through multiple cameras and broadcasting equipment with no additional encoding/decoding required.²



Automatic stitching.

Deliver the story as it unfolds. The 360 Round comes bundled with advanced Samsung Stitching software³, which seamlessly weaves together video from each of the 360 Round's 17 cameras. You can stitch, preview and broadcast in one simple step. The 360 Round is also compatible with third party stitching software, so you can use whatever your project requires.

¹Latency time may vary according to usage habits. Availability of service may vary by network or service region. Please check recommended specifications.

²SDI cards sold separately.

³System requirements – Operating system: Windows 10 Professional or above, 64-bit; CPU: Intel Core i7-6700K or above; Graphics card: NVIDIA GTX 1060, 1 or more; RAM: 16 GB DDR4 RAM, 2 or more; Power: 850 W.

⁴360 Round controller software and 360 Round Viewer can be downloaded free from www.samsung.com/business.

⁵Ethernet cable, USB Type-C connector, PC SDI card, external SSD, battery pack, tripod and SD cards sold separately.

Bundled software maximizes creative control.

With PC integration, the 360 Round can initiate preview and video playback without the need for additional software. An optimized controller incorporates real-time stitching, and a viewer converts raw video from each of the 360 Round's 17 cameras into one stitched MP4 file.⁴ Additionally, all frames are timecoded for ease of 3D sync within existing broadcast workflows.

Universal expandability and flexibility.

In addition to SDI card support, the 360 Round features SD card support (up to 512 GB), external SSD and battery pack connectors, and dual microphone ports to handle the demands of production.⁵



Create 360-degree content anywhere.

Go where the content is. The Samsung 360 Round is dust-, water- and heat-resistant. And with low-light capabilities, you can go anywhere and shoot anywhere. You're no longer limited by your camera.





IP65 rating means you're protected from dust and water.

The 360 Round meets IP65 certification¹, to broaden your creative capabilities. It's protected from dust and water, to withstand extended shooting in rugged environments. It's the world's first professional 360 camera to let you shoot in less-than-ideal conditions, even among cameras costing thousands of dollars more.



Heat-resistant design for continuous shooting without overheating.

The 360 Round features a unique form factor and a full metal body designed for efficient heat dissipation, without the need for a fan. The 360 Round's optimized software also minimizes power consumption so less heat is generated, and when combined with the 360 Round's efficient cooling, content creators are able to shoot continuously, 24/7.² No fan also means no noise, which improves audio quality even further.

Capture your content even in low-light conditions.

With a rolling shutter and 11.7 stops of dynamic range, the 360 Round allows you to capture stunning, realistic content even in low-light environments.



11.7 Stops of Dynamic Range

See it as you shoot it with 360 Live Preview.

The Samsung 360 Round delivers real-time 3D video to PCs using our bundled software. You can also view your live video on your mobile device using our 360 Live Preview app.



¹The 360 Round is rated IP65, meaning it is protected against total dust ingress and is water-resistant. Water resistance rating is based on test conditions of low pressure water jet from any direction. IP65 functionality may vary according to usage environments. Waterproof kit for AC power and LAN connection required. Please consult manual before use. ²Up to an operational temperature of 140 degrees Fahrenheit.

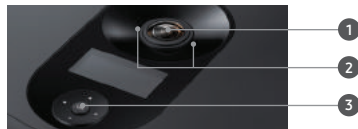
360 Round



360 Round	
Color	Meteor Gray
Number of Cameras	17
Camera Configuration	8 Stereoscopic Pairs (190 degrees FOV)
Image Sensor Type	CMOS
Sensor Color Depth	12-bit
Video Coverage Area	360 degrees (H) x 350 degrees (V)
Effective Pixels	4,096 x 4,096 (4K x 4K)
FPS	30
Image Sensor Size	1/2.8"
Dynamic Range	11.7 Stops (70 dB)
Aperture Size	f1.8, f2.8
Exposure Control	Multimeter, Spot Meter, Center Camera
Shutter Type	Rolling, 1/30 - 1/16000
Video Format	mp4
Video Codec	h.264, h.265
Audio Codec	AAC
Data Rates	200-300 mbps Bitrate (camera -> PC); 5-120 mbps (PC -> CDN); 5-120 mbps (File Bitrates)
Recording Media	SD Card (UHS-II, SDXC, up to 512 GB), SSD (up to 2 TB), PC
Construction	Unibody
Tripod Mount Type / Size	3/8"-16 Thread
Interface	RJ-45/Ethernet
Recording Preview	Mobile App, PC App
Operating Environment	IP65, Temperature 0-140 °F
Power Source	Working Voltage AC 19V/2.1A, DC 12-19V
Dimensions and Weight	8" x 8" x 3", 4.3 lbs.
Software	360 Round (controller) Live Stream Software, 360 Round Viewer Post Production Software, Mobile App
PC Requirements	Stitching from Single Camera
	Live Streaming from Single Camera
Color Management	Histogram and Other Features within 360 Round Software
Video Editing Software Options	Any Editing Software Supporting mp4 Equirectangular File Formats
SDI Rates	Currently Supports Blackmagic 4K Cards
Computer Interface	RJ-45

Device Layout

- Top Camera
- Weep Hole
- Selection Button
- Power On / Off
- LAN
- Power Input
- 360 3D Cameras (8 Pairs Plus Top Camera)
- USB Type-C Port
- SD Card Slot
- MIC 1 / MIC 2 Ports



Closed

Closed



Open

Open

Top



Bottom



Side







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For complete product information and accessories, visit samsung.com/business insights.samsung.com samsung.com/360round

Product support: 1-866-SAM4BIZ | Follow us:  youtube.com/samsungbizusa  [@SamsungBizUSA](https://twitter.com/SamsungBizUSA)

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