

EXHIBIT 6 | Claim Chart for U.S. Patent No. 11,252,325

Claim 1	Samsung Accused Products
<p>[1p] A method for estimating quality of at least one image from a stream of images, for use with a device that comprises in a single enclosure a digital camera module or functionality that comprises at least one optical lens for focusing received light from a scene and an image sensor coupled to at least one optical lens for capturing an image of the scene;</p>	<p>To the extent the preamble is limiting, and on information and belief, Samsung Accused Products perform a method for estimating quality of at least one image from a stream of images, for use with a device that comprises in a single enclosure a digital camera module or functionality that comprises at least one optical lens for focusing received light from a scene and an image sensor coupled to at least one optical lens for capturing an image of the scene.</p> <p><i>See, e.g.:</i></p> <div data-bbox="535 574 1352 1136"> <p>The screenshot shows a Samsung website interface. At the top, it says 'Samsung Galaxy S21 FE 5G' with a dropdown arrow. Below that, the heading 'Flaw Detection' is followed by a large 'Yes' in bold. Underneath, the text reads: 'Intelligently detects flaws, so it's nearly impossible to take a bad shot.' with a superscript 6.</p> </div> <p>(https://www.samsung.com/us/smartphones/galaxy-s21-5g/compare/?device-1=samsung-galaxy-s21-fe-5g&device-2=samsung-galaxy-s20-fe-5g&device-3=samsung-galaxy-s24-ultra)</p>

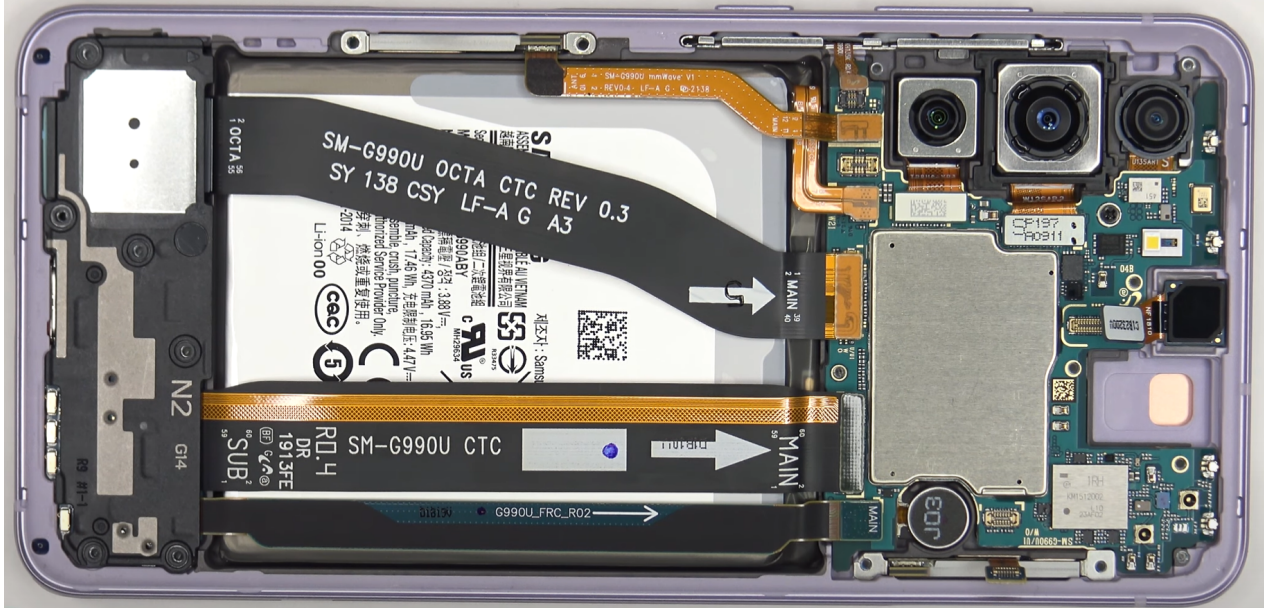
Claim 1	Samsung Accused Products
	<div data-bbox="556 289 701 316"> <p>SAMSUNG</p> </div> <div data-bbox="701 410 1692 488"> <h1>How to use Shot suggestions</h1> </div> <div data-bbox="730 607 1312 626"> <p>Please note: Shot suggestions is currently only available on the following models:</p> </div> <div data-bbox="737 646 1014 708"> <ul style="list-style-type: none"> • S Series smartphones since the S10 • Note smartphones since the Note 10 • A51 and A71 </div> <div data-bbox="537 771 1463 837"> <p>(https://www.samsung.com/uk/support/mobile-devices/how-to-use-shot-suggestions/?msocid=3f42d2540b1366bf1cffc7040a5c673f)</p> </div> <div data-bbox="548 919 798 958"> <p>Use Single take</p> </div> <div data-bbox="596 1086 739 1128"> <p>☆ Note</p> </div> <div data-bbox="655 1149 1402 1209"> <p>Single take will capture a variety of still shots and video clips with preapplied filters and effects.</p> </div> <div data-bbox="541 1323 1501 1378"> <p>Single take will capture multiple photos at once of your family, your pets, or even yourself. The camera's AI will decide which angles to snap, so all of your photos come out crisp and bright.</p> </div>

Claim 1	Samsung Accused Products
	<p data-bbox="541 264 1346 297">(https://www.samsung.com/us/support/answer/ANS10003440/)</p> <p data-bbox="541 321 762 354">What is Single Take?</p> <p data-bbox="541 418 1314 516">Single Take is a new feature introduced in the Galaxy S20 series. It uses an AI process to record a maximum of fifteen seconds worth of a video and five still shots per second simultaneously.</p> <p data-bbox="541 581 1287 678">Single Take does not even waste the split second you are about to press the shutter. It captures the details of the moment, filters out any shaky shots taken in real time, and picks out clear and colorful pictures.</p> <p data-bbox="541 743 1304 841">Once you finish filming, it uses an AI aesthetic engine score to select the four best shots, detects the section with the most variations in the filmed footage, and automatically creates up to four edited video clips.</p> <p data-bbox="541 873 1545 906"> (https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p> <p data-bbox="541 979 1869 1044">Based on smarter and more powerful AI, the Galaxy S22's Single Take ensures that precious moments that pass in the blink of an eye are not lost. It records video for up to 20 seconds while simultaneously snapping up to 10 pictures per second.</p> <p data-bbox="541 1068 1848 1133">(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p>

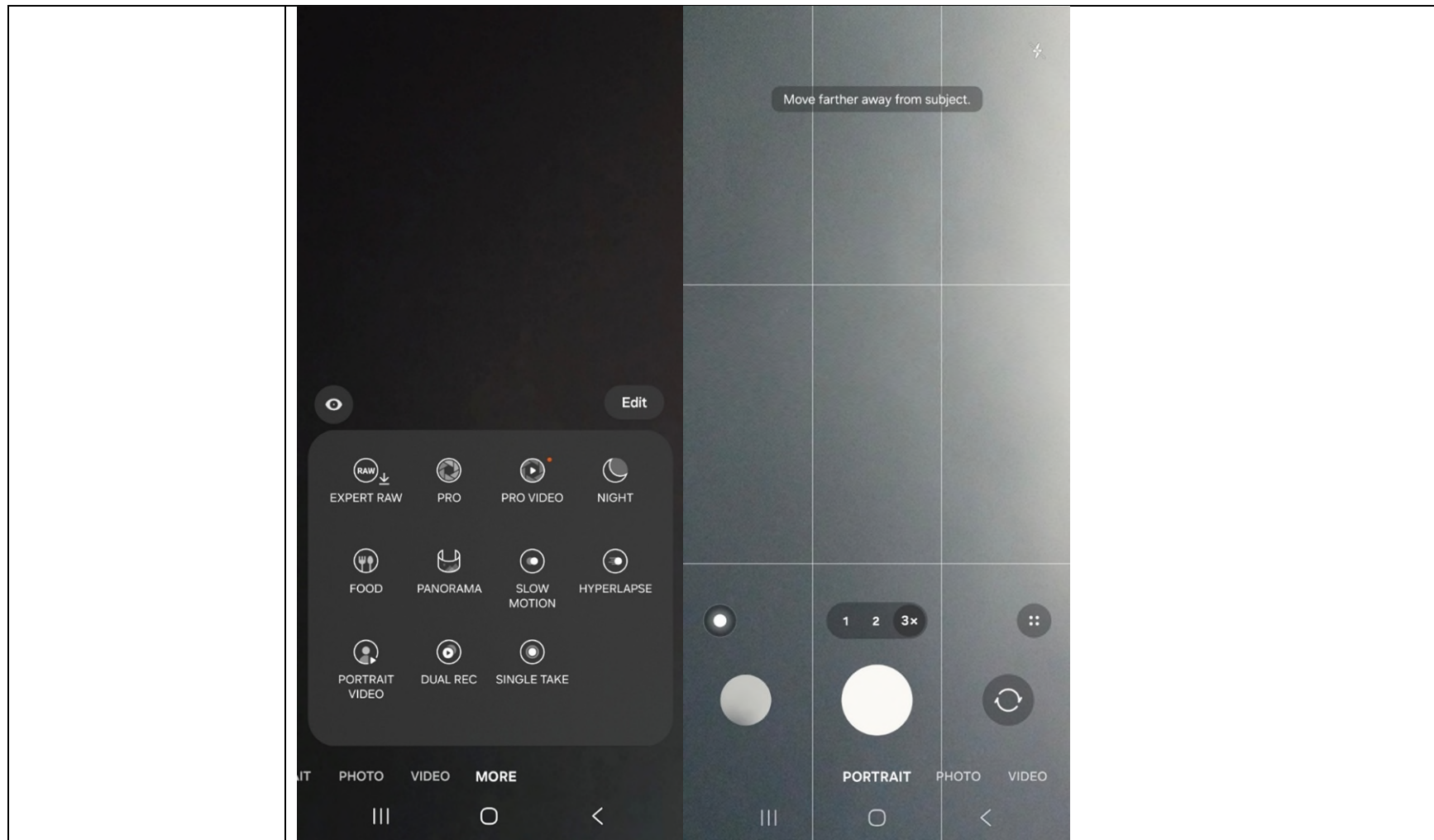
Claim 1	Samsung Accused Products
	<p>Photo analysis engine</p> <p>The ability to quickly cull the best moments from a single footage is critical. The AI-powered Single Take employs deep learning and multi-engines to swiftly analyze and filter photos.</p> <p>The scene analysis engine uses the device's high-speed processor to analyze elements like the sky, clouds, water, trees, and buildings in a photo. It further delivers the results following the analysis.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p>

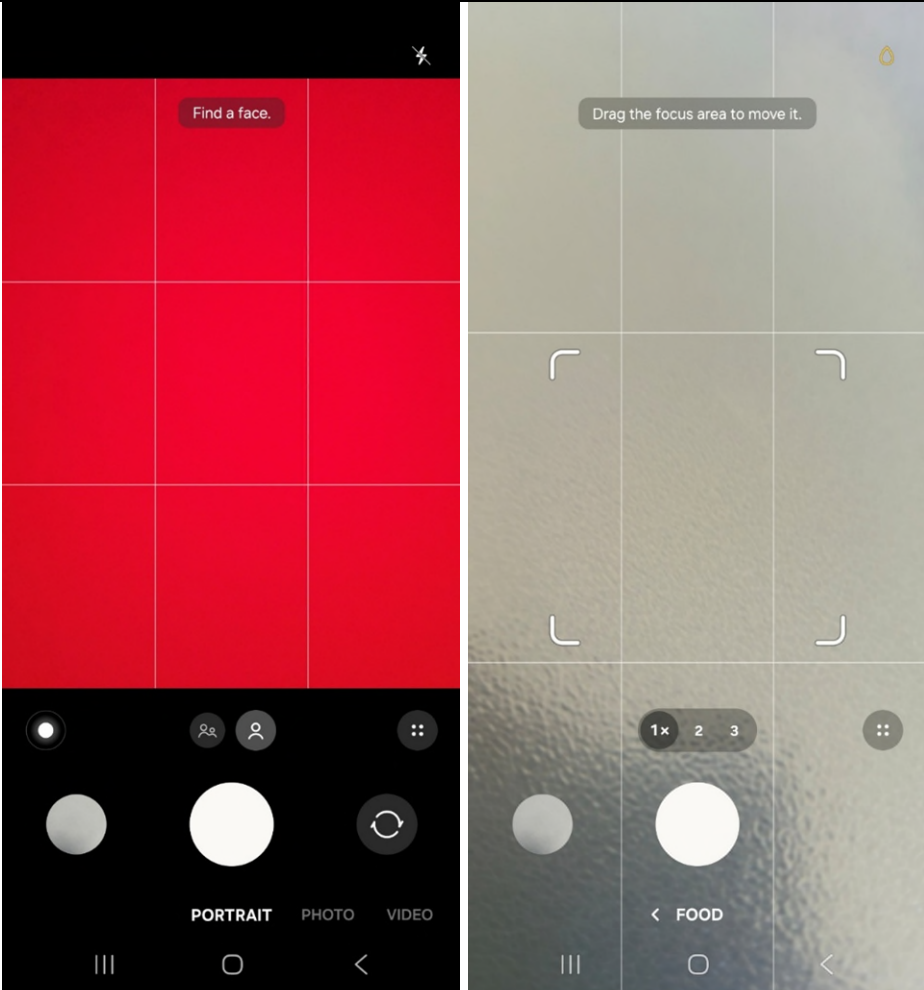
Claim 1	Samsung Accused Products
	<p style="text-align: center;">Galaxy S21 FE 5G</p>  <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Key Features</p> <p>Smooth scrolling The 120Hz display technology delivers a super smooth scroll, with optimized refresh rate, and a fast touch response gives seamless visuals in both work and play.</p> <p>Pro-grade Camera The powerful pro-grade camera delivers high-quality photos and videos, with a Rear Camera that boasts 12MP Ultra Wide, Wide-angle cameras and a 8MP Telephoto Camera. It also features a Front Camera that includes a 32MP Selfie camera.</p> </div> <div style="width: 48%;"> <p>Real display vision The high quality display with Dynamic AMOLED 2X delivers vibrant color and brightness, even in bright sunlight.</p> <p>30X Space Zoom 30x Space Zoom combines a 3x Hybrid Optic Zoom and 30x digital zoom for high resolution close ups, while the Engage Zoom Lock reduces shakiness the further you zoom in.* <small>*30X Space Zoom includes 3x Hybrid Optic Zoom and 30x digital zoom with AI Super Resolution technology. Zooming in more than 3x may cause some image deterioration.</small></p> </div> </div> <p style="text-align: center;"><small>View More</small></p> <p>(https://www.samsung.com/us/smartphones/galaxy-s21-fe-5g/buy/galaxy-s21-fe-5g-128gb-unlocked-sm-g990uzadxaa/)</p>

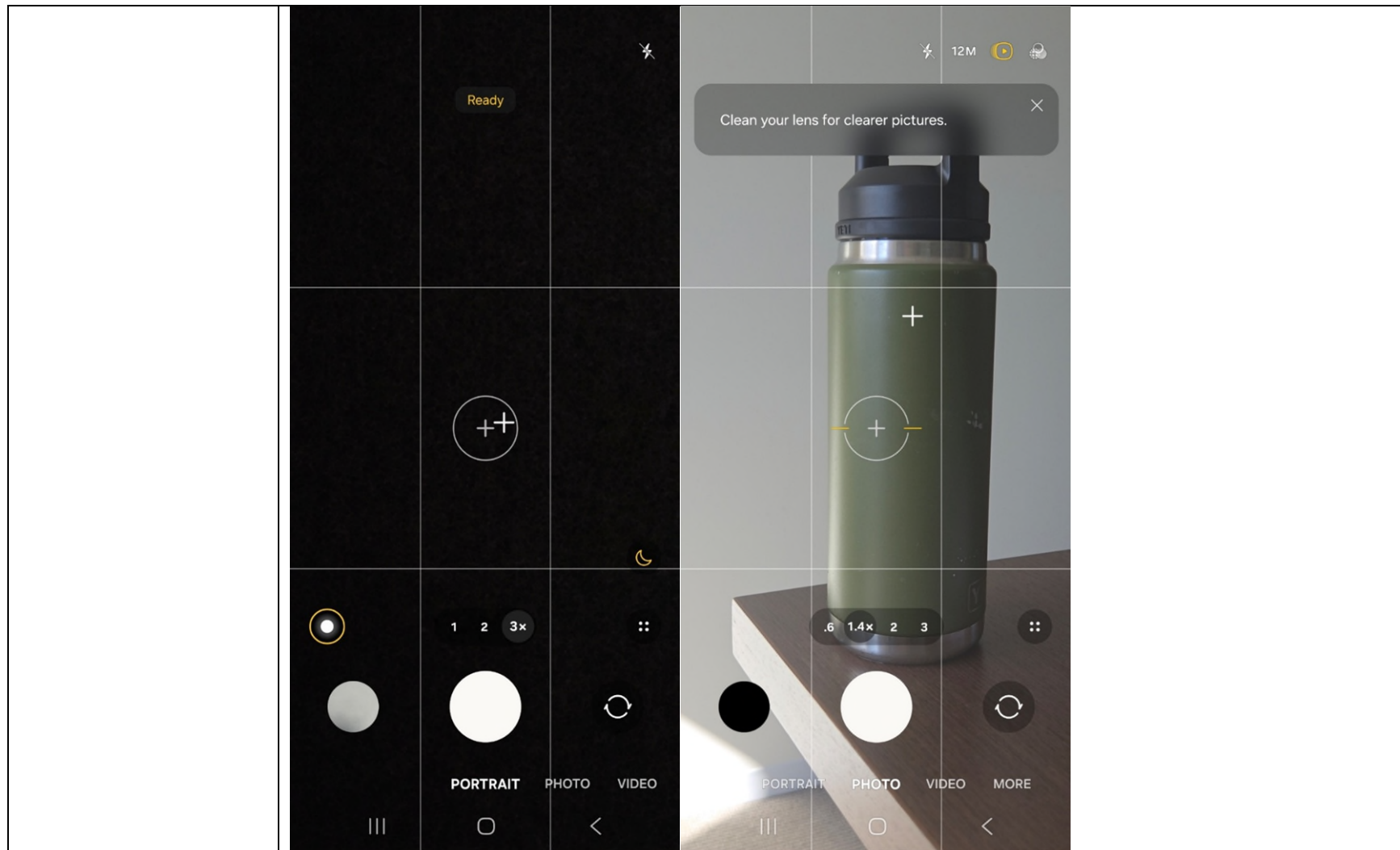
Claim 1	Samsung Accused Products												
	<p>HOME > Media Assets > Galaxy S21 FE 5G</p> <div> <div>Images</div> <div>Videos</div> <div>Tech Specs</div> <div>Related Articles</div> </div> <table> <tr> <td>Charging*</td><td>25W Wired 15W Wireless Wireless PowerShare *Charger is sold separately.</td></tr> <tr> <td>OS</td><td>Android 12 One UI 4</td></tr> <tr> <td>Network</td><td>2G GSM,3G WCDMA,4G LTE FDD,4G LTE TDD,4G 4x4 MIMO band,5G Sub6 FDD,5G Sub6 TDD, 5G 4x4 MIMO band</td></tr> <tr> <td>Payment</td><td>Samsung Pay with NFC* *Available in select markets. Payment solutions and available features may vary depending on market, carrier, and service providers.</td></tr> <tr> <td>Sensors</td><td>Accelerometer, Barometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor, Proximity Sensor</td></tr> <tr> <td>Water Resistance</td><td>IP68* *Consistent with IPX8 rating, water resistant in up to 5 feet of water for up to 30 minutes. Rinse residue/dry after wet.</td></tr> </table> <p>(https://www.samsungmobilepress.com/media-assets/galaxy_s21_fe_5g/?tab=specs)</p>	Charging*	25W Wired 15W Wireless Wireless PowerShare *Charger is sold separately.	OS	Android 12 One UI 4	Network	2G GSM,3G WCDMA,4G LTE FDD,4G LTE TDD,4G 4x4 MIMO band,5G Sub6 FDD,5G Sub6 TDD, 5G 4x4 MIMO band	Payment	Samsung Pay with NFC* *Available in select markets. Payment solutions and available features may vary depending on market, carrier, and service providers.	Sensors	Accelerometer, Barometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor, Proximity Sensor	Water Resistance	IP68* *Consistent with IPX8 rating, water resistant in up to 5 feet of water for up to 30 minutes. Rinse residue/dry after wet.
Charging*	25W Wired 15W Wireless Wireless PowerShare *Charger is sold separately.												
OS	Android 12 One UI 4												
Network	2G GSM,3G WCDMA,4G LTE FDD,4G LTE TDD,4G 4x4 MIMO band,5G Sub6 FDD,5G Sub6 TDD, 5G 4x4 MIMO band												
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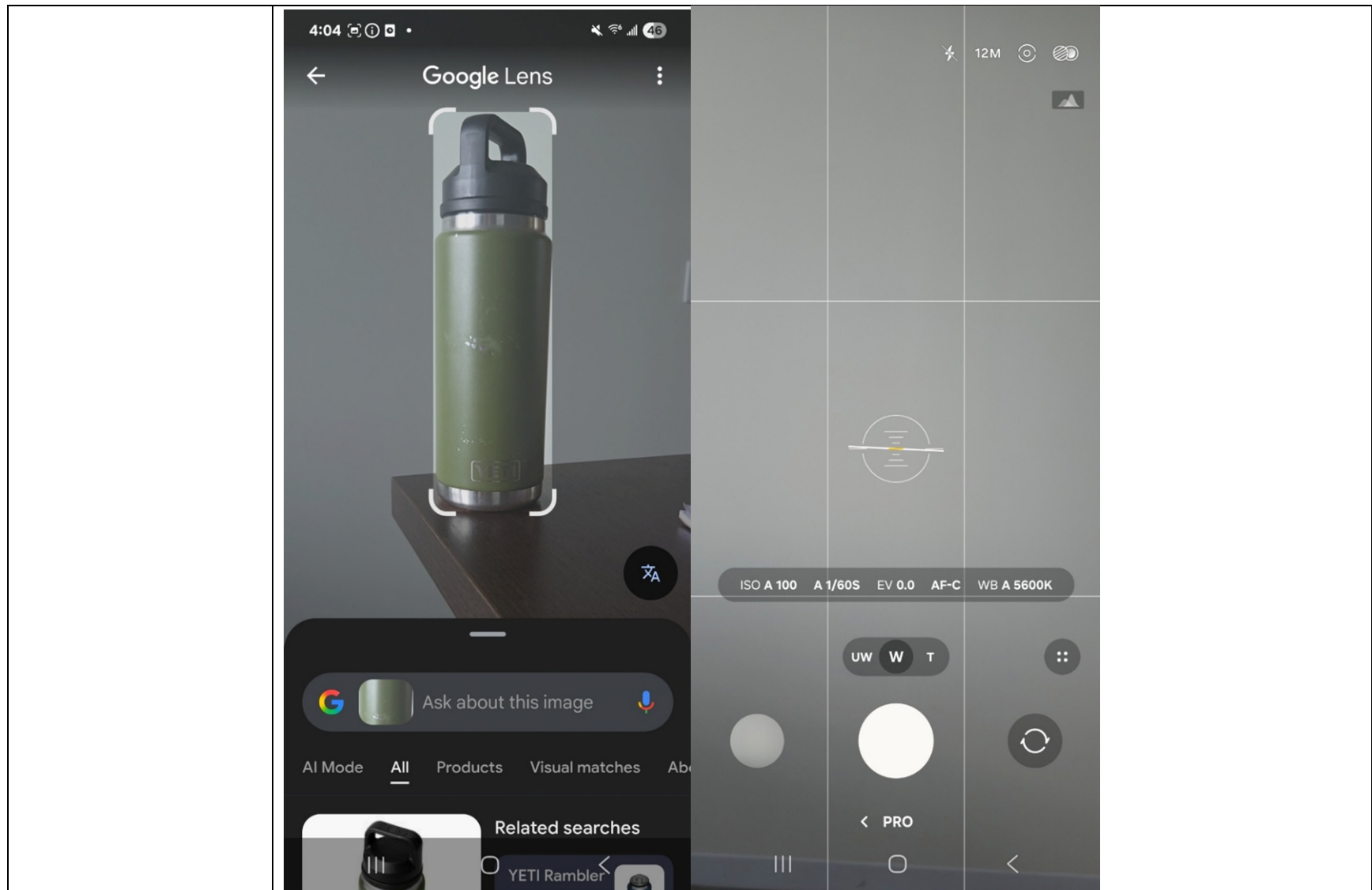
Claim 1	Samsung Accused Products
	 <p>The image shows the internal components of a Samsung smartphone. The battery is a large, black, rectangular unit with the text "SM-G990U OCTA CTC REV 0.3 SY 138 CSY LF-A G A3" printed on it. To the right of the battery is the camera module, which includes three lenses and a flash. Below the battery is the main board, which has various components and connectors. The phone is shown from the back, with the purple case visible around the edges.</p> <p>(https://www.youtube.com/watch?v=T5qQjtJrxzc at 1:53)</p> <p>See, e.g., https://news.samsung.com/global/how-samsung-delivers-the-best-camera-experiences-to-galaxy-users (“Our goal is to satisfy two very different needs. First, we help general users by democratizing the experience of professional photography, making it easy for them to create high-quality photos and videos with nothing but their smartphone. Secondly, we aim to bring a more customized shooting experience for pros who want to use their Galaxy smartphone as a professional tool. To do that, we focus on three key areas: the best shooting and viewing experience, ease of use, and controllability. Our aim with the shooting and viewing experience is to ensure that users get crisp, vivid results every time they capture images and videos”)</p> <p>See, e.g., https://news.samsung.com/global/your-smartphone-camera-now-gets-what-youre-looking-at-and-responds (“Today’s mobile imaging goes beyond just a high-quality lens or advanced sensor — it demands seamless integration of hardware, software and AI. That’s why Samsung Electronics approaches camera innovation as a holistic system, where each advancement is supported by tightly integrated</p>

Claim 1	Samsung Accused Products
	<p>technologies. This unified vision allows Galaxy devices to continuously redefine mobile photography, empowering users to capture, create and communicate more meaningfully.”)</p> <p><i>See, e.g.</i>, https://news.samsung.com/us/stellar-shots-every-time-galaxy-note9s-intelligent-camera/ (“Brand new functions including Scene Optimizer and Flaw Detection utilize artificial intelligence to help users get the most out of the device’s advanced camera. Together, this powerful combination of smarts and specs makes it easier than ever to snap stunning shots.”); https://news.samsung.com/in/your-smartphone-camera-now-gets-what-youre-looking-at-and-responds (“Your Smartphone Camera Now Gets What You’re Looking At — and Responds”); https://www.sammobile.com/opinion/this-is-the-most-thoughtful-camera-feature-samsung-has-ever-conceived/ (“Every new Galaxy flagship is accompanied by new camera features.”); https://www.samsung.com/us/mobile/galaxy/camera-feature</p> <p><i>See, e.g.</i>, 2025.08.27 screen capture from Samsung Galaxy S25 128GB US Version</p>

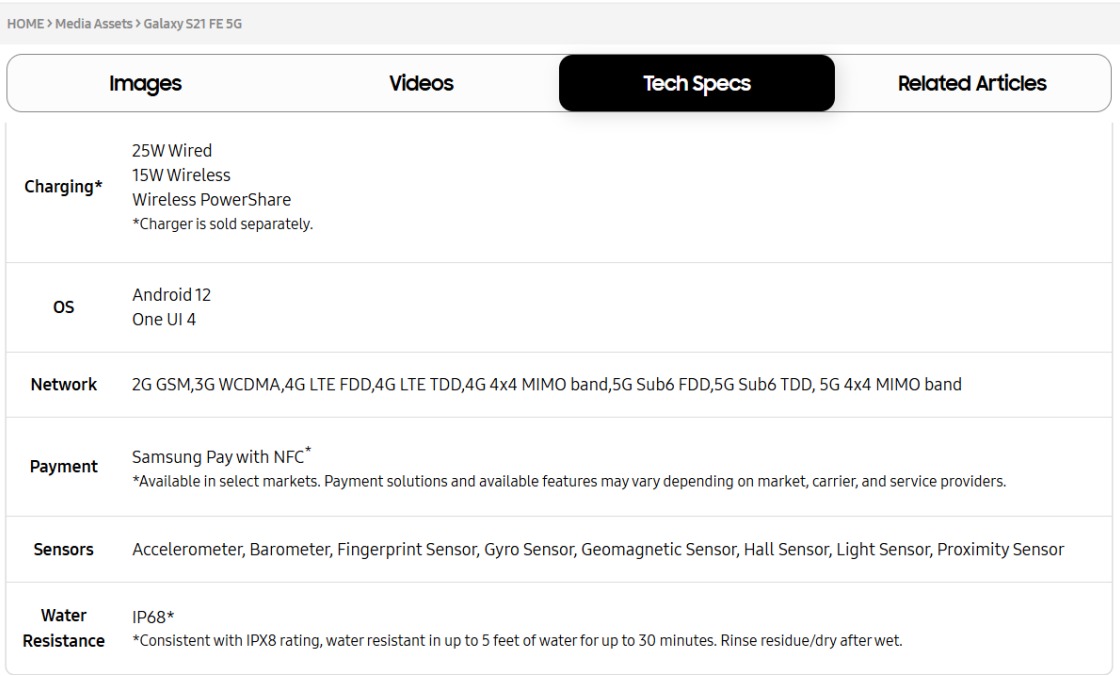


Claim 1	Samsung Accused Products
	

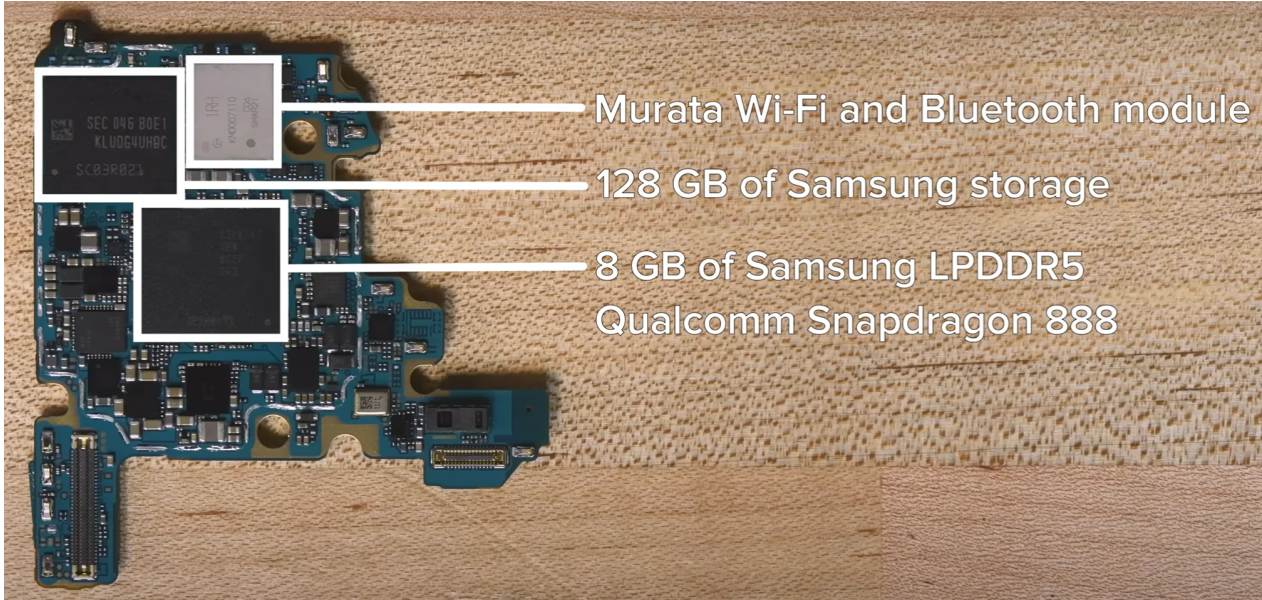


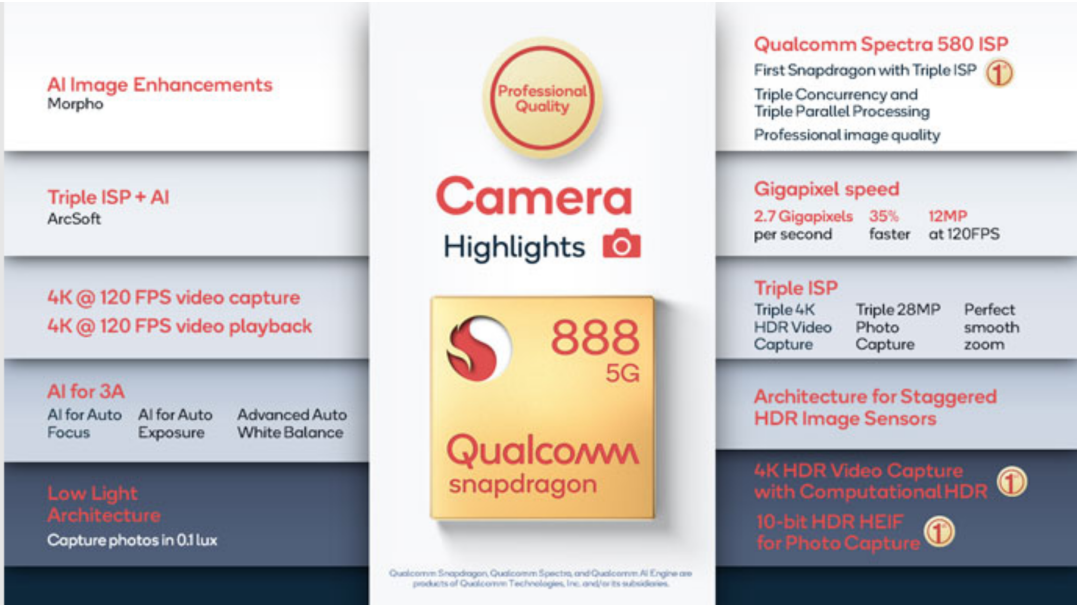


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	 A screenshot of a Samsung camera application in 'PRO' mode. The main view is a camera lens with a red target overlay in the center. To the left of the lens is a vertical color calibration strip with labels 'WC', 'MG', and 'BC'. At the top right, there are icons for battery, signal, and a '12M' resolution indicator. Below the lens, a horizontal bar displays technical settings: 'ISO A 125', 'A 1/60S', 'EV 0.0', 'AF-C', and 'WB A 5400K'. Below this bar are three buttons labeled 'UW', 'W', and 'T'. At the bottom, there is a large white circular shutter button, a circular refresh icon, and a '< PRO' label. The bottom of the screen shows standard Android navigation icons: a square, a circle, and a triangle.

Claim 1	Samsung Accused Products
<p>1[a] a motion or location sensor for sensing the device motion; and</p>	<p>On information and belief, Samsung Accused Products include a motion or location sensor for sensing the device motion.</p> <p><i>See, e.g.:</i></p>  <p>The screenshot shows the 'Tech Specs' tab for the Samsung Galaxy S21 FE 5G. The page lists various specifications including charging capabilities (25W Wired, 15W Wireless, Wireless PowerShare), OS (Android 12, One UI 4), network support (2G GSM, 3G WCDMA, 4G LTE FDD/TDD, 4G 4x4 MIMO, 5G Sub6 FDD/TDD, 5G 4x4 MIMO), payment options (Samsung Pay with NFC), sensors (Accelerometer, Barometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor, Proximity Sensor), and water resistance (IP68*).</p> <p>(https://www.samsungmobilepress.com/media-assets/galaxy_s21_fe_5g/?tab=specs)</p>
<p>1[b] a processor coupled to the image sensor and to the digital camera for receiving data therefrom, the method by the processor comprising</p>	<p>On information and belief, Samsung Accused Products include a processor coupled to the image sensor and to the digital camera for receiving data therefrom, the method by the processor comprising use of at least one value and weight.</p> <p><i>See, e.g.:</i></p>

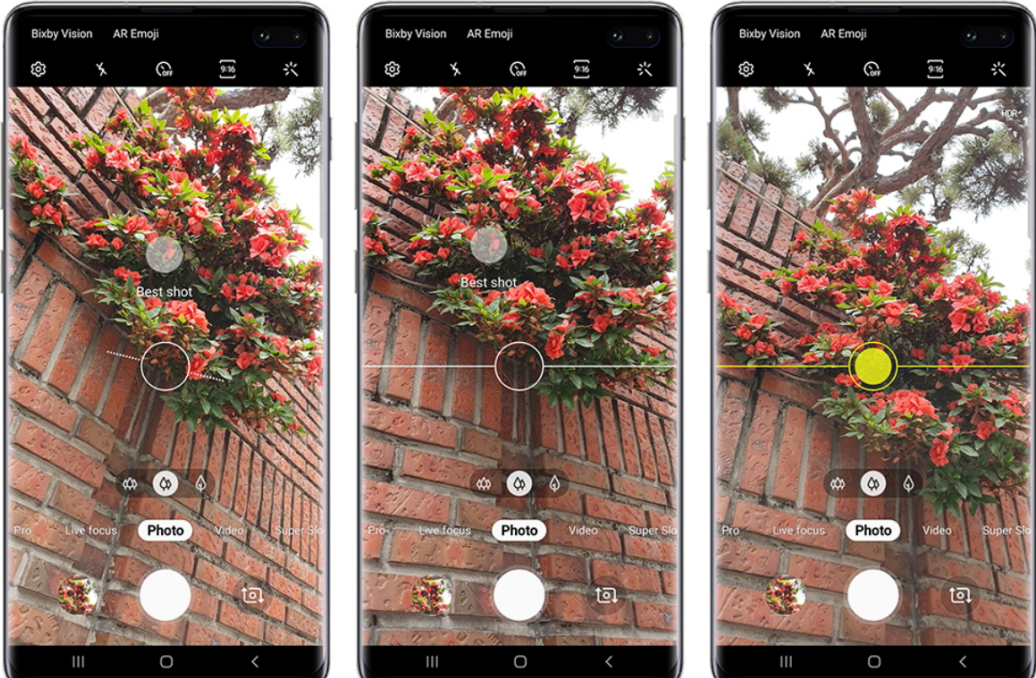
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use of at least one value and weight;	<p>HOME > Media Assets > Galaxy S21 FE 5G</p> <div> <div>Images</div> <div>Videos</div> <div>Tech Specs</div> <div>Related Articles</div> </div> <p>Galaxy S21 FE 5G Specifications</p> <table> <tr> <td>Display</td><td> 6.4-inch FHD+ Dynamic AMOLED 2X Display* Super Smooth 120Hz refresh rate** 240Hz Touch Sampling Rate in Game Mode*** Eye Comfort Shield with AI based blue light control *Measured diagonally, Galaxy S21 FE 5G's screen size is 6.4-inch in the full rectangle and 6.3-inch with accounting for the rounded corners; actual viewable area is less due to the rounded corners and camera hole. **Available in 120Hz display and in the Game Mode. ***Available in 120Hz display setting and in the Game Mode. </td></tr> <tr> <td>Security</td><td>Optical Fingerprint Knox Vault</td></tr> <tr> <td>Dimensions & Weight</td><td>74.5 x 155.7 x 7.9mm, 177g</td></tr> <tr> <td>Camera</td><td> 12MP Ultra-Wide Camera - F2.2, FOV 123° 12MP Wide Camera - Dual Pixel AF, OIS, F1.8 8MP Telephoto Camera - 30x Space Zoom, F2.4 32MP Front Camera - F2.2, FOV 81° </td></tr> <tr> <td>Processor</td><td> 5nm 64-bit Octa-Core Processor* *May vary by market and carrier. </td></tr> </table> <p>(https://www.samsungmobilepress.com/media-assets/galaxy_s21_fe_5g/?tab=specs)</p>	Display	6.4-inch FHD+ Dynamic AMOLED 2X Display* Super Smooth 120Hz refresh rate** 240Hz Touch Sampling Rate in Game Mode*** Eye Comfort Shield with AI based blue light control *Measured diagonally, Galaxy S21 FE 5G's screen size is 6.4-inch in the full rectangle and 6.3-inch with accounting for the rounded corners; actual viewable area is less due to the rounded corners and camera hole. **Available in 120Hz display and in the Game Mode. ***Available in 120Hz display setting and in the Game Mode.	Security	Optical Fingerprint Knox Vault	Dimensions & Weight	74.5 x 155.7 x 7.9mm, 177g	Camera	12MP Ultra-Wide Camera - F2.2, FOV 123° 12MP Wide Camera - Dual Pixel AF, OIS, F1.8 8MP Telephoto Camera - 30x Space Zoom, F2.4 32MP Front Camera - F2.2, FOV 81°	Processor	5nm 64-bit Octa-Core Processor* *May vary by market and carrier.
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	<p>Photo analysis engine</p> <p>The ability to quickly cull the best moments from a single footage is critical. The AI-powered Single Take employs deep learning and multi-engines to swiftly analyze and filter photos.</p> <p>The scene analysis engine uses the device's high-speed processor to analyze elements like the sky, clouds, water, trees, and buildings in a photo. It further delivers the results following the analysis.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p>  <p>Murata Wi-Fi and Bluetooth module</p> <p>128 GB of Samsung storage</p> <p>8 GB of Samsung LPDDR5 Qualcomm Snapdragon 888</p>

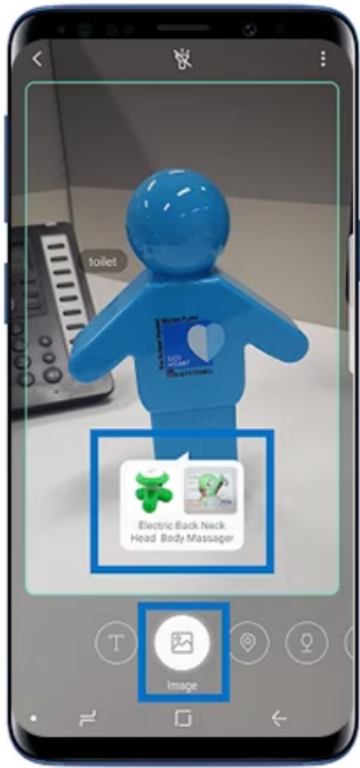
Claim 1	Samsung Accused Products
	<p>(https://youtu.be/ElJ9S-aZCG8 at 1:40)</p> <p>The Galaxy S21 FE 5G is powered by the Snapdragon 888 Mobile Platform. It's got a Snapdragon X60 Modem-RF System for 5G speeds up to 7.5 Gbps and a triple ISP that snaps dazzling photos. Gaming gurus and social media stars alike can enjoy powerful features to help them do what they love.</p> <p>(https://www.qualcomm.com/snapdragon/device-finder/smartphones/samsung-galaxy-s21-fan-edition-5g)</p>  <p>(https://s7d1.scene7.com/is/image/dmqualcommprod/image-7_sized_4?QC_Responsive&fmt=png-alpha&wid=814)</p> <p><i>See, e.g., infra</i>, Claim 1[c]–1[l]</p>
1[c] obtaining a first value (QI1) responsive to the device motion	On information and belief, Samsung Accused Products perform the step of obtaining a first value (QI1) responsive to the device motion from at least one motion or location sensor.

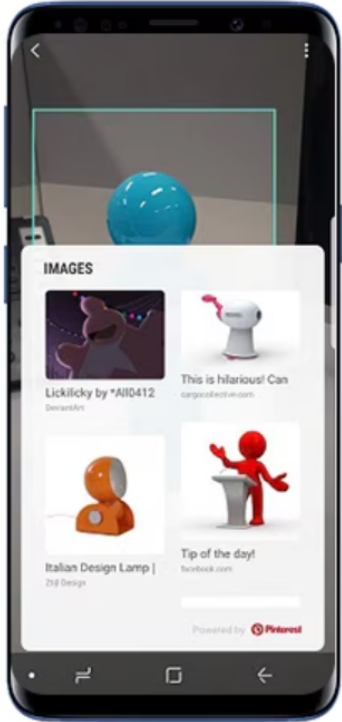
Claim 1	Samsung Accused Products
from at least one motion or location sensor;	<p>See, e.g., on information and belief, Samsung Accused Products obtain the first value (QI1), including one or more of the following: values received from its GPS, accelerometer, gyroscope, and/or magnetometer responsive to the device motion from the motion or location sensor.</p> <div><div>HOME > Media Assets > Galaxy S21 FE 5G</div><div><div>ImagesVideosTech SpecsRelated Articles</div><div><div><div>Charging*</div><div>25W Wired 15W Wireless Wireless PowerShare *Charger is sold separately.</div></div><div><div>OS</div><div>Android 12 One UI 4</div></div><div><div>Network</div><div>2G GSM,3G WCDMA,4G LTE FDD,4G LTE TDD,4G 4x4 MIMO band,5G Sub6 FDD,5G Sub6 TDD, 5G 4x4 MIMO band</div></div><div><div>Payment</div><div>Samsung Pay with NFC* *Available in select markets. Payment solutions and available features may vary depending on market, carrier, and service providers.</div></div><div><div>Sensors</div><div>Accelerometer, Barometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor, Proximity Sensor</div></div><div><div>Water Resistance</div><div>IP68* *Consistent with IPX8 rating, water resistant in up to 5 feet of water for up to 30 minutes. Rinse residue/dry after wet.</div></div></div></div><p>(https://www.samsungmobilepress.com/media-assets/galaxy_s21_fe_5g/?tab=specs)</p><p>See, e.g., on information and belief, Samsung Accused Products obtain the first value (QI1), including one or more of the following: closed eyes, lens smudge, motion blur, back light, etc., responsive to the device motion from the motion or location sensor.</p></div>

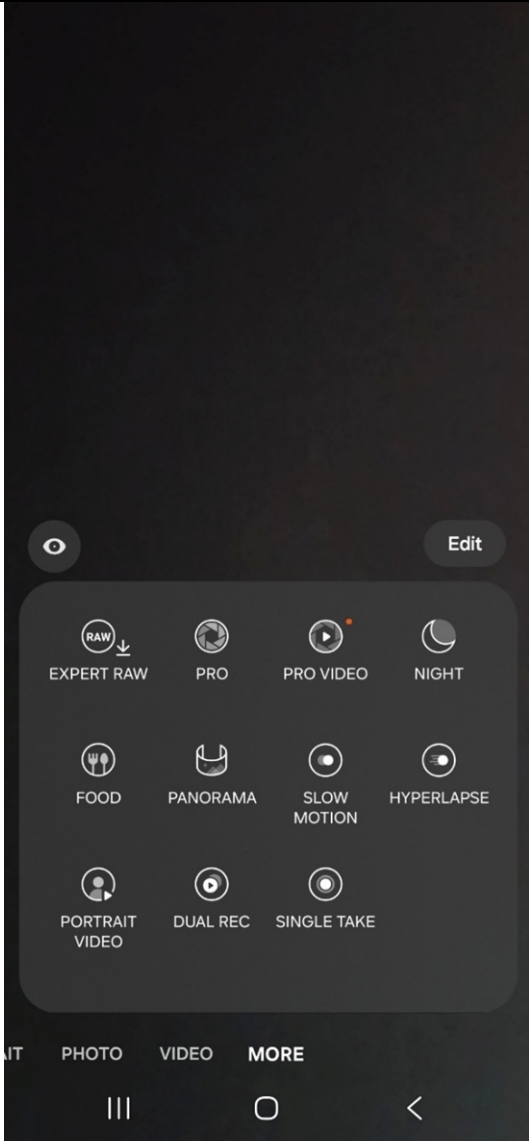
Claim 1	Samsung Accused Products
	<p>Notification will be displayed if the following scenarios is detected by the camera:</p> <div data-bbox="583 337 1276 922">  <p>Close Eyes*</p>  <p>Lens Smudge</p>  <p>Motion Blur*</p>  <p>Back Light</p> </div> <p>(https://www.samsung.com/ae/support/mobile-devices/galaxy-note-9-what-is-flaw-detection-feature-that-makes-intelligent-camera/?msocid=3f42d2540b1366bf1cffc7040a5c673f)</p> <p>See, e.g., on information and belief, Samsung Accused Products obtain the first value (QI1) responsive to the device motion from the motion or location sensor, for example:</p>

Claim 1	Samsung Accused Products
	<p data-bbox="577 267 1276 300">7. Let 'Shot Suggestion' Guide You to Stunning Pictures</p>  <p data-bbox="535 1015 1831 1079">https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10</p> <p data-bbox="583 1128 1213 1166">2. Your trusty assistant whenever you need</p> <p data-bbox="583 1205 1680 1328">When in doubt of the best angle, simply ask Samsung Galaxy camera. Activate 'Shot suggestions' and align the 'Best shot' circle in the center of the screen. When it turns yellow, you are ready to capture the best shot!</p> <p data-bbox="535 1339 1873 1404">https://us.community.samsung.com/t5/Tips-Tricks/Samsung-Galaxy-Camera-101-Vol-2-Mastering-the-Essentials/ba-p/2938813</p>

Claim 1	Samsung Accused Products
	<p>Is video editing difficult and complicated? It's not, if you do it with Single Take</p> <p>In addition to photo and filter selection, Single Take utilises a variety of AI engines and makes intensive editing and processing processes fast and efficient. "Capture Intelligent" uses high-speed shooting according to the amount of light and enables the best shooting according to the situation. Also, the 'person recognition intelligence' function analyses the facial expression, posture, and head tilt of a person, and makes them stand out from the background. 'Motion Intelligence' is also used in video shooting and finds the best moment in the motion of the video.</p> <p>With the same scene, Network GAN can even create photos with light adjust for the actual time of day, such as sunrise, sunset, or something in-between. If you connect and convert these photos naturally, a 12-second time-lapse video is completed.</p> <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p> <p>The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p>It uses the smart crop to highlight the most memorable parts or applies multiple AI filters to adjust the color and light of hearty moments or vast landscapes.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p> <ul style="list-style-type: none"> • Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations

Claim 1	Samsung Accused Products
	<div data-bbox="583 272 1121 488"><ol style="list-style-type: none">1 Launch Camera > Tap Bixby Vision2 Scan an item to capture it3 Tap image to search for similar images</div> <div data-bbox="590 521 947 1284"></div> <div data-bbox="617 1295 1087 1333"><p>Tap Image to search for similar images</p></div>

Claim 1	Samsung Accused Products
	<div data-bbox="564 277 903 995">  </div> <p data-bbox="583 1008 947 1040">Display a list of similar images</p> <p data-bbox="533 1060 1858 1170"> https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msocid=3f42d2540b1366bf1cffc7040a5c673f; see also Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/ </p> <p data-bbox="533 1206 1606 1242">See, e.g., 2025.08.27 screen capture from Samsung Galaxy S25 128GB US Version</p>

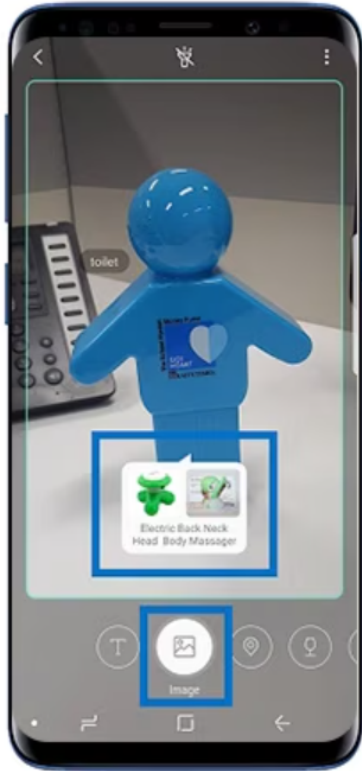
Claim 1	Samsung Accused Products
	 A screenshot of a Samsung camera application interface. The background is dark. At the top left is a camera viewfinder icon, and at the top right is an 'Edit' button. Below these is a grid of shooting modes: EXPERT RAW (with a RAW icon and a download arrow), PRO, PRO VIDEO (with a play icon), NIGHT (with a moon icon), FOOD (with a fork and knife icon), PANORAMA (with a curved arrow icon), SLOW MOTION (with a play icon and a speedometer), HYPERLAPSE (with a play icon and a circular arrow), PORTRAIT VIDEO (with a play icon and a person icon), DUAL REC (with a play icon and a dual-camera icon), and SINGLE TAKE (with a play icon and a single-camera icon). At the bottom, there are tabs for 'PHOTO', 'VIDEO', and 'MORE'. The very bottom of the screen shows standard Android navigation icons: a square, a circle, and a triangle.

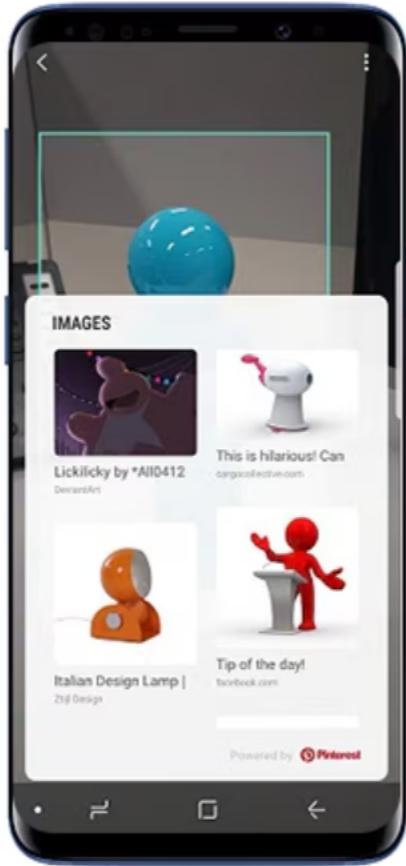
Claim 1	Samsung Accused Products
<p>1[d] estimating a first weight (c1) associated with the first value;</p>	<p>On information and belief, Samsung Accused Products perform the step of estimating a first weight (c1) associated with the first value.</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products obtain multiple values (e.g., values received from its GPS, accelerometer, gyroscope, and/or magnetometer, closed eyes, lens smudge, motion blur, back light, etc.). On information and belief, the Samsung Accused Products estimate a first weight (c1) associated with the first value (QI1). For example, the Samsung Accused Products may or may not send a notification based on at least a total value, which is based on at least a first weight (c1) associated with the first value (QI1).</p>  <p>(https://www.youtube.com/watch?v=VP6OHB4qkX4 at 0:38)</p> <p><i>See, e.g.,</i> on information and belief, the Samsung Accused Products estimate a first weight (c1) associated with the first value because the Samsung Accused Products at least use “machine learning” and “AI” algorithms that use the first value (QI1) responsive to the device motion from the motion or location sensor</p>

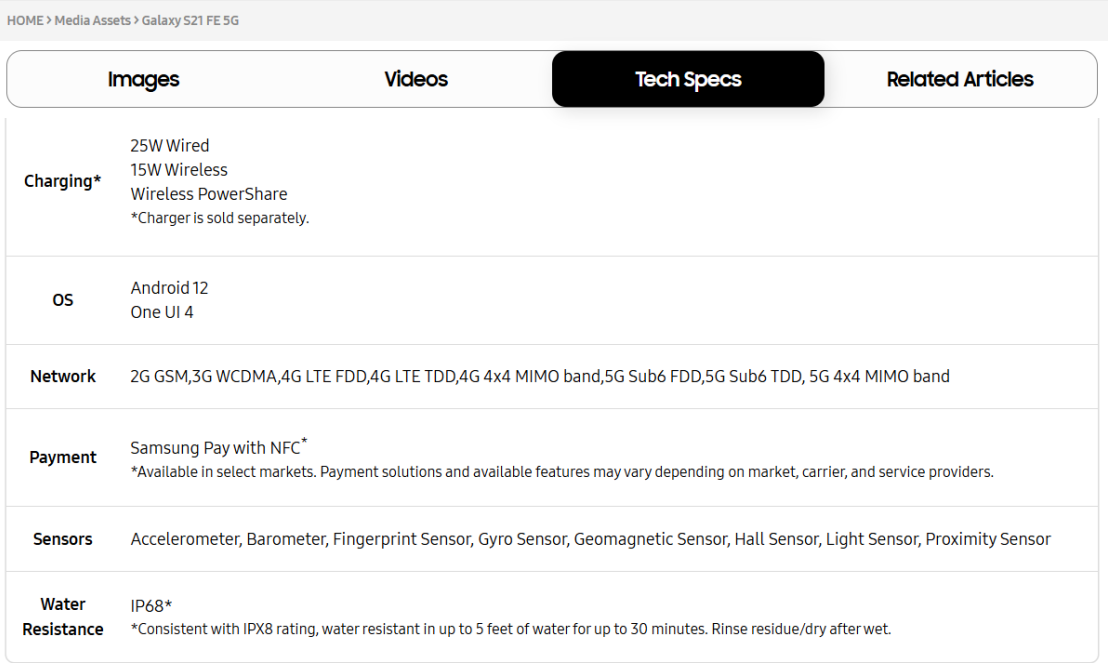
Claim 1	Samsung Accused Products
	<p>to determine the effect of the first value (QI1) on an image/video captured by the Samsung Accused Products, in view of other values derived from inputs into the Samsung Accused Products. <i>See, e.g.</i>, https://news.samsung.com/global/how-samsung-delivers-the-best-camera-experiences-to-galaxy-users (“Our goal is to satisfy two very different needs. First, we help general users by democratizing the experience of professional photography, making it easy for them to create high-quality photos and videos with nothing but their smartphone. Secondly, we aim to bring a more customized shooting experience for pros who want to use their Galaxy smartphone as a professional tool. To do that, we focus on three key areas: the best shooting and viewing experience, ease of use, and controllability. Our aim with the shooting and viewing experience is to ensure that users get crisp, vivid results every time they capture images and videos”). <i>See also, e.g.</i>,</p> <div data-bbox="590 670 1801 727" data-label="Section-Header"> <p>Camera settings → Shot suggestions</p> </div> <p>Utilizing machine learning gleaned from the analysis of more than 100 million photos, the Galaxy S10 line’s ‘Shot suggestion’ feature helps you take pictures like a pro. Once you turn the feature on, just follow the visual prompts on the screen and watch your ‘best shot’ fall effortlessly into place.</p> <p>‘Shot suggestion’ is ideal for when you want to show a single person or place in a lot of different lights, as the AI suggests a varied range of compositional styles. Especially helpful for nature and landscape shots, ‘Shot suggestion’ ensures the horizon is level, while helping you improve your proportions and positioning. With the AI assistant, finding the perfect composition for your photos is a snap!</p> <p>(https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10)</p>

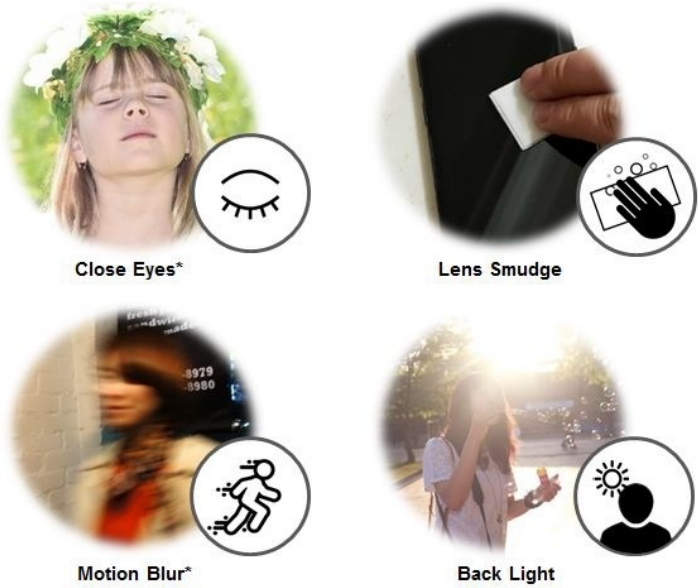
Claim 1	Samsung Accused Products
	<p>2. Your trusty assistant whenever you need</p> <p>When in doubt of the best angle, simply ask Samsung Galaxy camera. Activate 'Shot suggestions' and align the 'Best shot' circle in the center of the screen. When it turns yellow, you are ready to capture the best shot!</p> <p>(https://us.community.samsung.com/t5/Tips-Tricks/Samsung-Galaxy-Camera-101-Vol-2-Mastering-the-Essentials/ba-p/2938813)</p> <p>On information and belief, the Samsung Accused Products estimate a first weight (c1) associated with the first value (QI1), for example, because the Samsung Accused Products automatically deletes pictures or selects one or more pictures based on processing values, including at least the first value (QI1). For example:</p> <p>Single Take does not even waste the split second you are about to press the shutter. It captures the details of the moment, filters out any shaky shots taken in real time, and picks out clear and colorful pictures.</p> <p>The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p>

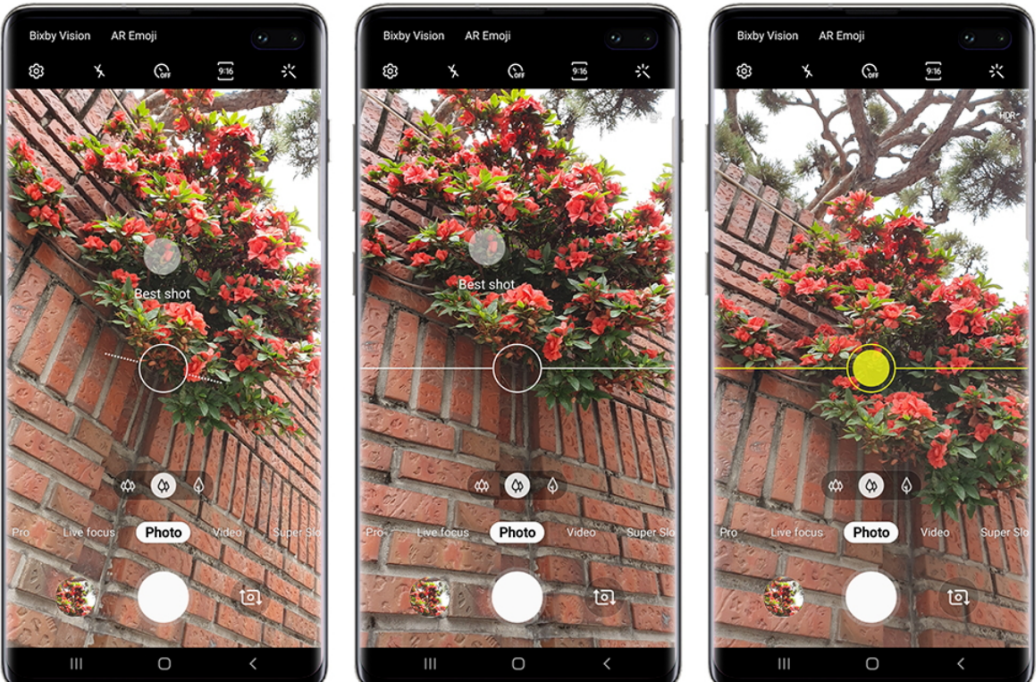
Claim 1	Samsung Accused Products
	<p>Picking and adjusting the best photos in seconds</p> <p>It is important to capture various scenes in one shot, but the ability to quickly select the best moments among them is also important. Single Take uses various AI engines based on deep learning and computer vision technology to quickly analyse and select the best photos.</p> <p>There are many different types of engines that Single Take can use. First, the aesthetic engine learns about 300,000 pictures selected by experts and evaluates the picture's aesthetics, such as photo sharpness, picture quality, and facial expressions. For example, when taking a portrait photo, it chooses a photo with a wide smile instead of a photo with the subject's eyes closed or head bowed. When the best photos are selected, AI uses the same deep learning technology to determine which filters and effects to apply, and automatically applies the best filters to your photos.</p> <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p> <ul style="list-style-type: none"> • Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations

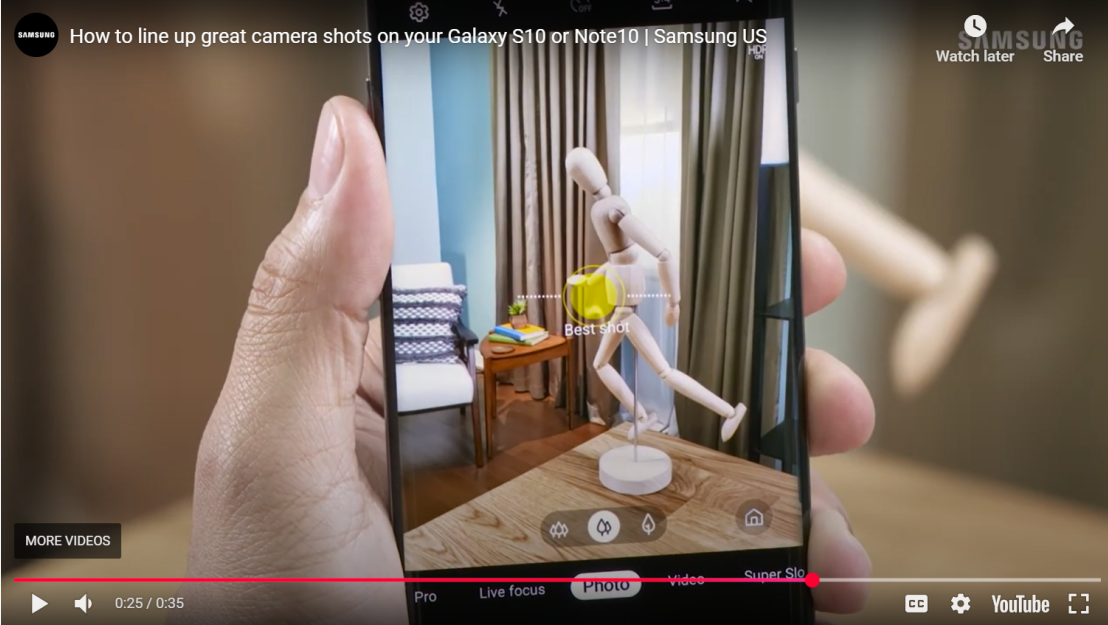
Claim 1	Samsung Accused Products
	<div data-bbox="583 272 1125 488"><div>1</div>Launch Camera > Tap Bixby Vision</div> <div data-bbox="583 354 968 407"><div>2</div>Scan an item to capture it</div> <div data-bbox="583 435 1125 488"><div>3</div>Tap image to search for similar images</div> <div data-bbox="590 526 949 1292"></div> <div data-bbox="619 1307 1094 1341">Tap Image to search for similar images</div>

Claim 1	Samsung Accused Products
	<div data-bbox="569 331 972 1192"></div> <p data-bbox="604 1208 1020 1247">Display a list of similar images</p>

Claim 1	Samsung Accused Products
	https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msockid=3f42d2540b1366bf1cffc7040a5c673f ; see also Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/
<p>1[e] obtaining a second value (QI2), where the second value is a measurement of under or over exposure of at least one of a part of image or face exposure;</p>	<p>On information and belief, Samsung Accused Products perform the step of obtaining a second value (QI2), where the second value is a measurement of under or over exposure of at least one of a part of image or face exposure.</p> <p><i>See, e.g.,</i> on information and belief, the Samsung Accused Products obtain a second value (QI2), including one or more of the following: values received from the devices’ GPS, lens, aperture, shutter, light sensor, camera metadata, and other components of the digital camera of the Samsung Accused Products to obtain the second value (QI2).</p>  <p>The screenshot shows the 'Tech Specs' page for the Samsung Galaxy S21 FE 5G. It features a navigation bar with 'Images', 'Videos', 'Tech Specs' (selected), and 'Related Articles'. The specs are organized into categories: Charging* (25W Wired, 15W Wireless, Wireless PowerShare), OS (Android 12, One UI 4), Network (2G GSM, 3G WCDMA, 4G LTE FDD/TDD, 4G 4x4 MIMO band, 5G Sub6 FDD/TDD, 5G 4x4 MIMO band), Payment (Samsung Pay with NFC*), Sensors (Accelerometer, Barometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor, Proximity Sensor), and Water Resistance (IP68*). A disclaimer at the bottom states: '*Consistent with IPX8 rating, water resistant in up to 5 feet of water for up to 30 minutes. Rinse residue/dry after wet.'</p> <p>(https://www.samsungmobilepress.com/media-assets/galaxy_s21_fe_5g/?tab=specs)</p>

Claim 1	Samsung Accused Products
	<p>See, e.g., on information and belief, Samsung Accused Products obtain the second value (QI2), including one or more of the following: back light, etc., associated with a measurement of under or over exposure of the image.</p> <p>Notification will be displayed if the following scenarios is detected by the camera:</p> <div data-bbox="583 456 1276 1040">  <div data-bbox="653 711 764 732">Close Eyes*</div> <div data-bbox="1016 711 1142 732">Lens Smudge</div> <div data-bbox="653 1013 772 1034">Motion Blur*</div> <div data-bbox="1035 1013 1136 1034">Back Light</div> </div> <p>(https://www.samsung.com/ae/support/mobile-devices/galaxy-note-9-what-is-flaw-detection-feature-that-makes-intelligent-camera/?msocid=3f42d2540b1366bf1cffc7040a5c673f)</p>

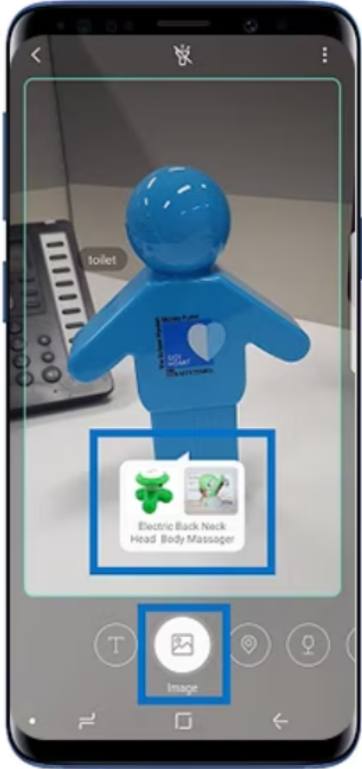
Claim 1	Samsung Accused Products
	<p data-bbox="577 267 1281 300">7. Let 'Shot Suggestion' Guide You to Stunning Pictures</p>  <p data-bbox="535 1031 1837 1096">https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10</p>

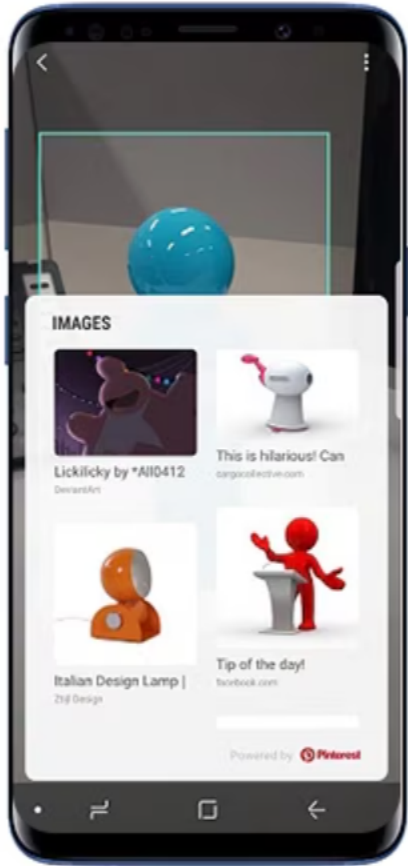
Claim 1	Samsung Accused Products
	

Claim 1	Samsung Accused Products
	<div data-bbox="533 259 1627 868"> </div> <p>(https://www.samsung.com/sg/support/mobile-devices/shot-suggestions-on-your-galaxy-mobile/?msockid=3f42d2540b1366bf1cffc7040a5c673f at 0:18-0:25 (“Align the yellow line, to reach the best shot”)).</p> <p>2. Your trusty assistant whenever you need</p> <p>When in doubt of the best angle, simply ask Samsung Galaxy camera. Activate 'Shot suggestions' and align the 'Best shot' circle in the center of the screen. When it turns yellow, you are ready to capture the best shot!</p> <p>(https://us.community.samsung.com/t5/Tips-Tricks/Samsung-Galaxy-Camera-101-Vol-2-Mastering-the-Essentials/ba-p/2938813)</p>

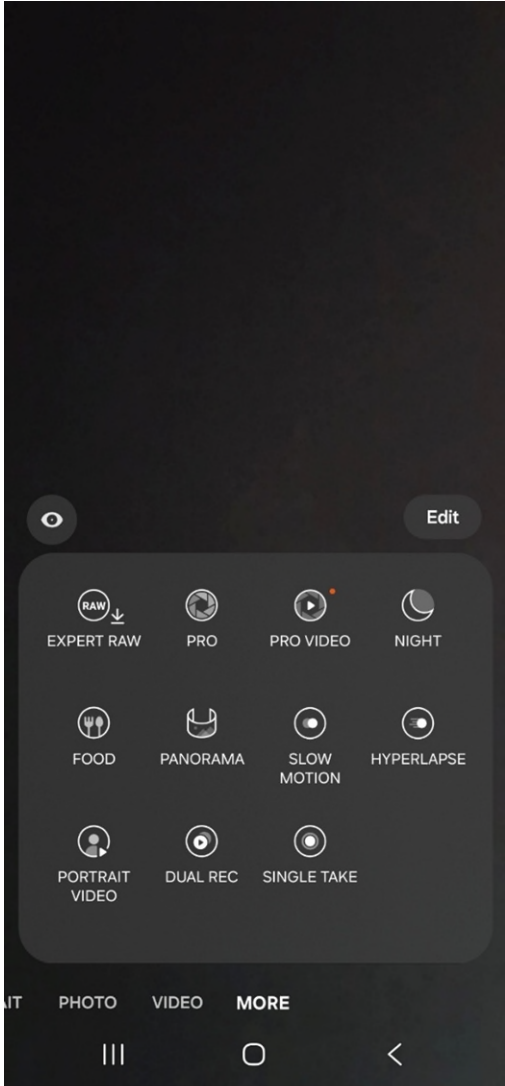
Claim 1	Samsung Accused Products
	<div data-bbox="590 289 1801 347" style="background-color: #f0f0f0; text-align: center; padding: 5px;"> Camera settings → Shot suggestions </div> <p data-bbox="556 397 1839 488">Utilizing machine learning gleaned from the analysis of more than 100 million photos, the Galaxy S10 line's 'Shot suggestion' feature helps you take pictures like a pro. Once you turn the feature on, just follow the visual prompts on the screen and watch your 'best shot' fall effortlessly into place.</p> <p data-bbox="556 532 1822 657">'Shot suggestion' is ideal for when you want to show a single person or place in a lot of different lights, as the AI suggests a varied range of compositional styles. Especially helpful for nature and landscape shots, 'Shot suggestion' ensures the horizon is level, while helping you improve your proportions and positioning. With the AI assistant, finding the perfect composition for your photos is a snap!</p> <p data-bbox="537 695 1831 764">https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10)</p> <p data-bbox="541 786 1545 820">Is video editing difficult and complicated? It's not, if you do it with Single Take</p> <p data-bbox="617 907 1827 1047">In addition to photo and filter selection, Single Take utilises a variety of AI engines and makes intensive editing and processing processes fast and efficient. "Capture Intelligent" uses high-speed shooting according to the amount of light and enables the best shooting according to the situation. Also, the 'person recognition intelligence' function analyses the facial expression, posture, and head tilt of a person, and makes them stand out from the background. 'Motion Intelligence' is also used in video shooting and finds the best moment in the motion of the video.</p> <p data-bbox="546 1076 1866 1135">With the same scene, Network GAN can even create photos with light adjust for the actual time of day, such as sunrise, sunset, or something in-between. If you connect and convert these photos naturally, a 12-second time-lapse video is completed.</p> <p data-bbox="537 1162 1843 1229">https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p>

Claim 1	Samsung Accused Products
	<p>The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p>It uses the smart crop to highlight the most memorable parts or applies multiple AI filters to adjust the color and light of hearty moments or vast landscapes.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p> <ul style="list-style-type: none">• Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations

Claim 1	Samsung Accused Products
	<div data-bbox="583 289 1125 505"><div>1</div>Launch Camera > Tap Bixby Vision</div> <div data-bbox="583 370 968 423"><div>2</div>Scan an item to capture it</div> <div data-bbox="583 451 1125 505"><div>3</div>Tap image to search for similar images</div>
	<div data-bbox="592 544 951 1308"></div> <div data-bbox="619 1321 1094 1357">Tap Image to search for similar images</div>

Claim 1	Samsung Accused Products
	<div data-bbox="569 347 974 1208"></div> <p data-bbox="604 1224 1024 1263">Display a list of similar images</p>

Claim 1	Samsung Accused Products
	https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msockid=3f42d2540b1366bf1cffc7040a5c673f ; <i>see also</i> Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/ <i>See, e.g.</i> , 2025.08.27 screen capture from Samsung Galaxy S25 128GB US Version

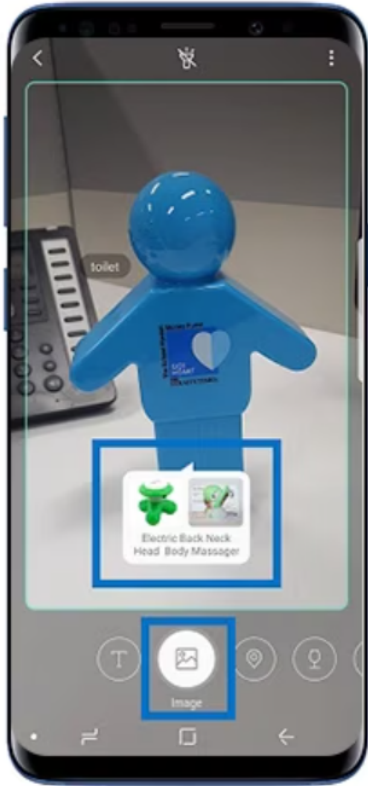
Claim 1	Samsung Accused Products
	 A screenshot of a Samsung camera application interface. The background is dark. At the top left is an eye icon, and at the top right is an 'Edit' button. Below these is a grid of shooting modes: 'EXPERT RAW' (with a RAW icon and a download arrow), 'PRO' (with a camera aperture icon), 'PRO VIDEO' (with a play button icon), and 'NIGHT' (with a moon icon). The next row contains 'FOOD' (with a fork and knife icon), 'PANORAMA' (with a panorama icon), 'SLOW MOTION' (with a play button icon and a speedometer-like graphic), and 'HYPERLAPSE' (with a play button icon and a circular arrow). The third row contains 'PORTRAIT VIDEO' (with a person icon), 'DUAL REC' (with a play button icon and a camera icon), and 'SINGLE TAKE' (with a play button icon and a camera icon). At the bottom of the grid is a tab bar with 'PHOTO', 'VIDEO', and 'MORE' options. Below the tab bar are three navigation icons: a vertical bar, a circle, and a back arrow.

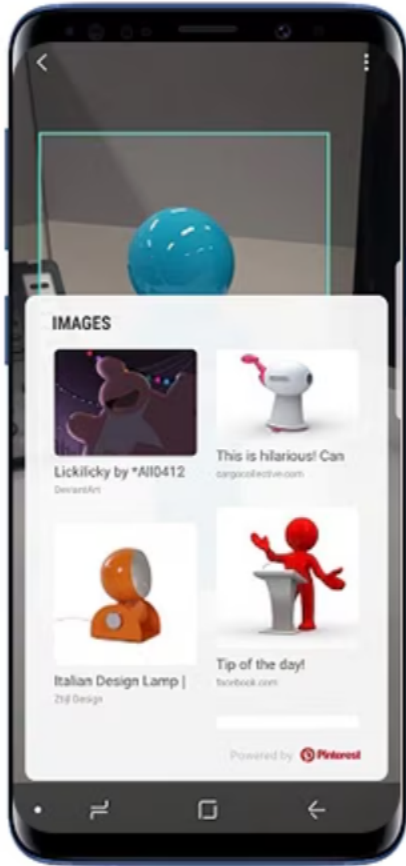
Claim 1	Samsung Accused Products
1[f] estimating a second weight (c2) associated with the second value;	<p>On information and belief, Samsung Accused Products perform the step of estimating a second weight (c2) associated with the second value</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products obtain multiple values (e.g., values received from the devices' GPS, lens, aperture, shutter, light sensor, gyroscope, accelerometer, camera metadata, and other components of the digital camera of the Samsung Accused Products values received from its GPS, accelerometer, gyroscope, and/or magnetometer, closed eyes, lens smudge, motion blur, back light, etc.). On information and belief, the Samsung Accused Products estimate a second weight associated with the second value (QI2). For example, the Samsung Accused Products may or may not send a notification based on at least a total value, which is based on at least a second weight (c2) associated with the second value (QI2). <i>See</i> https://www.youtube.com/watch?v=VP6OHB4qkX4 at 1:04 – 1:11 (“Back light detects saturated areas in the image, for example, if there’s a bright light in the background. Depending on the person, background, and environment, you may not be notified.”).</p> <p><i>See, e.g.,</i> on information and belief, the Samsung Accused Products estimate a second weight (c2) associated with the second value (QI2) because the Samsung Accused Products at least use “machine learning” and “AI” algorithms that use the second value (QI2) related to under or over exposure of the image to determine the effect of the second value (QI2) on an image/video captured by the Samsung Accused Products, in view of other values derived from inputs into the Samsung Accused Products. <i>See, e.g.,</i> https://news.samsung.com/global/how-samsung-delivers-the-best-camera-experiences-to-galaxy-users (“Our goal is to satisfy two very different needs. First, we help general users by democratizing the experience of professional photography, making it easy for them to create high-quality photos and videos with nothing but their smartphone. Secondly, we aim to bring a more customized shooting experience for pros who want to use their Galaxy smartphone as a professional tool. To do that, we focus on three key areas: the best shooting and viewing experience, ease of use, and controllability. Our aim with the shooting and viewing experience is to ensure that users get crisp, vivid results every time they capture images and videos”). <i>See also, e.g.,</i></p>

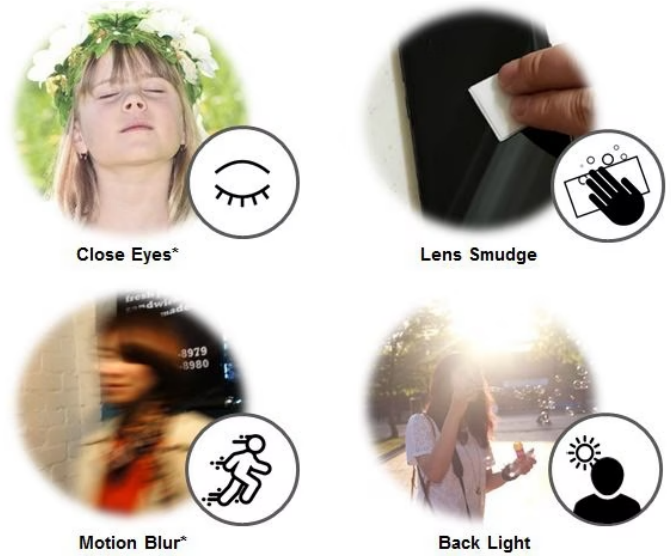
Claim 1	Samsung Accused Products
	<div data-bbox="590 289 1801 347" data-label="Section-Header"> <h3>Camera settings → Shot suggestions</h3> </div> <p data-bbox="556 397 1839 488">Utilizing machine learning gleaned from the analysis of more than 100 million photos, the Galaxy S10 line's 'Shot suggestion' feature helps you take pictures like a pro. Once you turn the feature on, just follow the visual prompts on the screen and watch your 'best shot' fall effortlessly into place.</p> <p data-bbox="556 532 1822 657">'Shot suggestion' is ideal for when you want to show a single person or place in a lot of different lights, as the AI suggests a varied range of compositional styles. Especially helpful for nature and landscape shots, 'Shot suggestion' ensures the horizon is level, while helping you improve your proportions and positioning. With the AI assistant, finding the perfect composition for your photos is a snap!</p> <p data-bbox="537 695 1831 764">https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10</p> <div data-bbox="583 878 1211 917" data-label="Section-Header"> <h3>2. Your trusty assistant whenever you need</h3> </div> <p data-bbox="583 954 1680 1079">When in doubt of the best angle, simply ask Samsung Galaxy camera. Activate 'Shot suggestions' and align the 'Best shot' circle in the center of the screen. When it turns yellow, you are ready to capture the best shot!</p> <p data-bbox="537 1166 1873 1235">https://us.community.samsung.com/t5/Tips-Tricks/Samsung-Galaxy-Camera-101-Vol-2-Mastering-the-Essentials/ba-p/2938813</p> <p data-bbox="537 1252 1894 1393">On information and belief, the Samsung Accused Products estimate a second weight (c2) associated with the second value (QI2), for example, because the Samsung Accused Products automatically deletes pictures or selects one or more pictures based on processing values, including at least the second value (QI2). For example:</p>

Claim 1	Samsung Accused Products
	<p>Single Take does not even waste the split second you are about to press the shutter. It captures the details of the moment, filters out any shaky shots taken in real time, and picks out clear and colorful pictures.</p> <p>The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p> <p>Picking and adjusting the best photos in seconds</p> <p>It is important to capture various scenes in one shot, but the ability to quickly select the best moments among them is also important. Single Take uses various AI engines based on deep learning and computer vision technology to quickly analyse and select the best photos.</p> <p>There are many different types of engines that Single Take can use. First, the aesthetic engine learns about 300,000 pictures selected by experts and evaluates the picture's aesthetics, such as photo sharpness, picture quality, and facial expressions. For example, when taking a portrait photo, it chooses a photo with a wide smile instead of a photo with the subject's eyes closed or head bowed. When the best photos are selected, AI uses the same deep learning technology to determine which filters and effects to apply, and automatically applies the best filters to your photos.</p> <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p>

Claim 1	Samsung Accused Products
	<ul style="list-style-type: none">• Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations

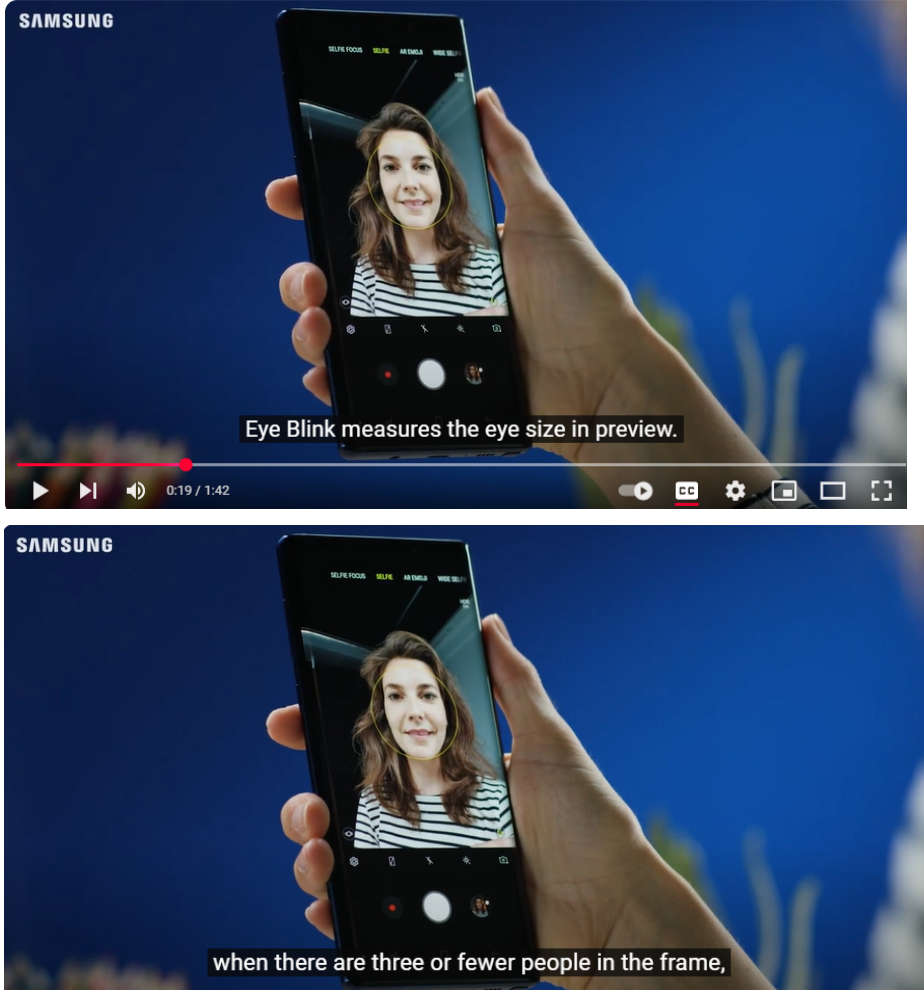
Claim 1	Samsung Accused Products
	<div data-bbox="583 272 1136 493"><ol style="list-style-type: none">1 Launch Camera > Tap Bixby Vision2 Scan an item to capture it3 Tap image to search for similar images</div> <div data-bbox="592 531 957 1312"></div> <div data-bbox="621 1328 1102 1360">Tap Image to search for similar images</div>

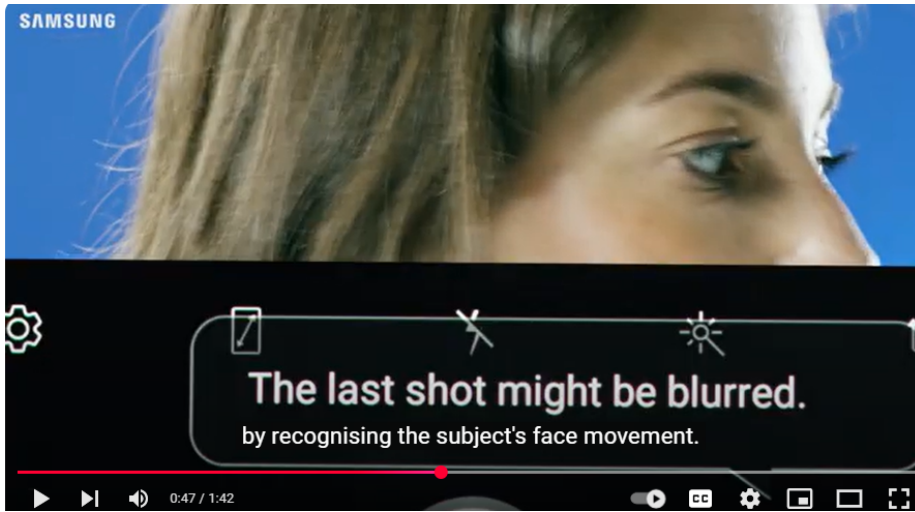
Claim 1	Samsung Accused Products
	<div data-bbox="569 331 972 1192"></div> <p data-bbox="604 1208 1024 1247">Display a list of similar images</p>

Claim 1	Samsung Accused Products
	https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msockid=3f42d2540b1366bf1cffc7040a5c673f ; see also Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/
<p>1[g] analyzing the captured image for detecting or recognizing zero or more faces in a picture, calculating properties of at least one of said faces if exist, where said properties are at least one of:</p>	<p>On information and belief, Samsung Accused Products perform the step of analyzing the captured image for detecting or recognizing zero or more faces in a picture, calculating properties of at least one of said faces if exist.</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products analyze the captured image to detect or recognize zero or more faces in a picture and calculates properties of at least one of said faces if exist (e.g., people, eyes, facial features, structures, and/or face movement) in a captured image, for example:</p> <p>Notification will be displayed if the following scenarios is detected by the camera:</p> <div data-bbox="562 706 1228 1258">  <p>Close Eyes*</p> <p>Lens Smudge</p> <p>Motion Blur*</p> <p>Back Light</p> </div> <p>(https://www.samsung.com/levant/support/mobile-devices/galaxy-note-9-what-is-flaw-detection-feature-that-makes-intelligent-camera/?msockid=3f42d2540b1366bf1cffc7040a5c673f)</p>

Claim 1	Samsung Accused Products
	<p>Is video editing difficult and complicated? It's not, if you do it with Single Take</p> <p>In addition to photo and filter selection, Single Take utilises a variety of AI engines and makes intensive editing and processing processes fast and efficient. "Capture Intelligent" uses high-speed shooting according to the amount of light and enables the best shooting according to the situation. Also, the 'person recognition intelligence' function analyses the facial expression, posture, and head tilt of a person, and makes them stand out from the background. 'Motion Intelligence' is also used in video shooting and finds the best moment in the motion of the video.</p> <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p> <p>The scene analysis engine uses the device's high-speed processor to analyze elements like the sky, clouds, water, trees, and buildings in a photo. It further delivers the results following the analysis.</p> <p>The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p> (https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p>

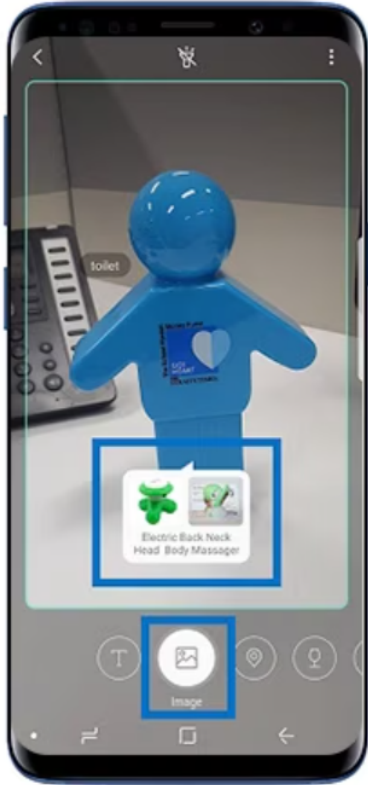
Claim 1	Samsung Accused Products
	 <p>With AI object-aware engine that recognizes details like skin, eyebrows, hair.</p> <p>(https://www.youtube.com/watch?v=BSYsXVFzmKA)</p>
<p>1[h] looking at camera, smiling, crying, face detection quality, face exposure or subject movement to obtain a third value (QI3);</p>	<p>On information and belief, Samsung Accused Products perform the step of analyzing the captured image for detecting or recognizing zero or more faces in a picture, calculating properties of at least looking at camera, smiling, crying, face detection quality, face exposure or subject movement to obtain a third value (QI3).</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products analyze the captured image for detecting or recognizing zero or more faces in a picture and calculates properties of at least looking at camera, smiling, crying, face detection quality, face exposure or subject movement to obtain a third value (QI3). On information and belief, Samsung Accused Products obtain a third value (QI3) associated with recognition of object characteristics (e.g., values received from the devices' GPS, lens, aperture, shutter, light sensor, gyroscope, accelerometer, camera metadata, and other inputs to the Samsung Accused Products that are associated with recognition of object characteristics). On information and belief, Samsung Accused</p>

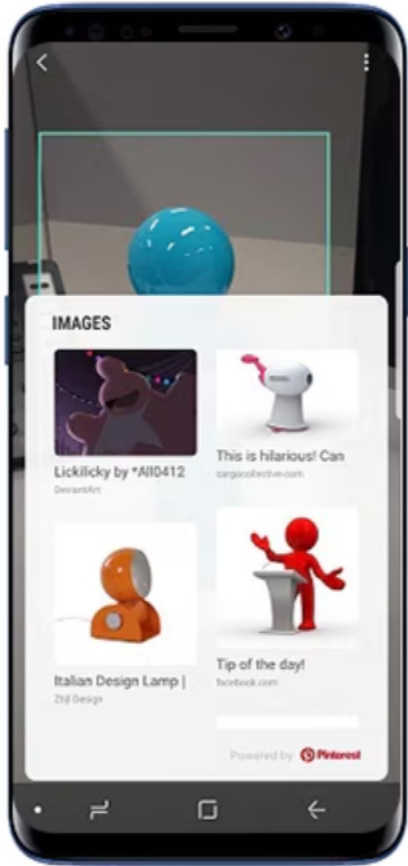
Claim 1	Samsung Accused Products
	<p>Products obtain a third value (QI3) associated with recognition of object characteristics (e.g., closed eyes, motion blur, etc.).</p>  <p>The image consists of two vertically stacked screenshots from a video. Both screenshots show a hand holding a Samsung smartphone against a blue background. The phone's screen displays a video of a woman with long brown hair wearing a striped shirt. A yellow circular outline is drawn around her eyes. The top of the phone's screen shows the 'SAMSUNG' logo and a status bar with 'SELFIE FOCUS', 'SELFIE', 'AUTO EYE', and 'WIDE SELFIE' icons. The bottom of the screen shows a video player interface with a red progress bar and a timestamp of '0:19 / 1:42'. The top screenshot has a black text box at the bottom with the text 'Eye Blink measures the eye size in preview.' The bottom screenshot has a black text box at the bottom with the text 'when there are three or fewer people in the frame,'.</p>

Claim 1	Samsung Accused Products
	<div data-bbox="537 261 1446 771"><p>A video frame from a Samsung advertisement. It shows a woman's face in profile, looking down at a Samsung smartphone she is holding. The phone's back is visible, showing the camera and the Samsung logo. A subtitle at the bottom reads "Motion Blur detects any blur". The video player interface shows a progress bar at 0:38 / 1:42.</p></div> <div data-bbox="537 784 1446 1292"><p>A video frame from a Samsung advertisement. It shows a close-up of a woman's face, looking slightly to the side. A subtitle at the bottom reads "The last shot might be blurred. by recognising the subject's face movement." The video player interface shows a progress bar at 0:47 / 1:42.</p></div> <p data-bbox="537 1312 1396 1344">https://www.youtube.com/watch?v=VP6OHB4qkX4 at 0:18-0:48)</p>

Claim 1	Samsung Accused Products
	<p><i>See, e.g.,</i> on information and belief, Samsung Accused Products obtain a third value (QI3) associated with recognition of object characteristics. For example:</p> <p>Is video editing difficult and complicated? It's not, if you do it with Single Take</p> <p>In addition to photo and filter selection, Single Take utilises a variety of AI engines and makes intensive editing and processing processes fast and efficient. "Capture Intelligent" uses high-speed shooting according to the amount of light and enables the best shooting according to the situation. Also, the 'person recognition intelligence' function analyses the facial expression, posture, and head tilt of a person, and makes them stand out from the background. 'Motion Intelligence' is also used in video shooting and finds the best moment in the motion of the video.</p> <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p> <p>The scene analysis engine uses the device's high-speed processor to analyze elements like the sky, clouds, water, trees, and buildings in a photo. It further delivers the results following the analysis.</p> <p>The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p>

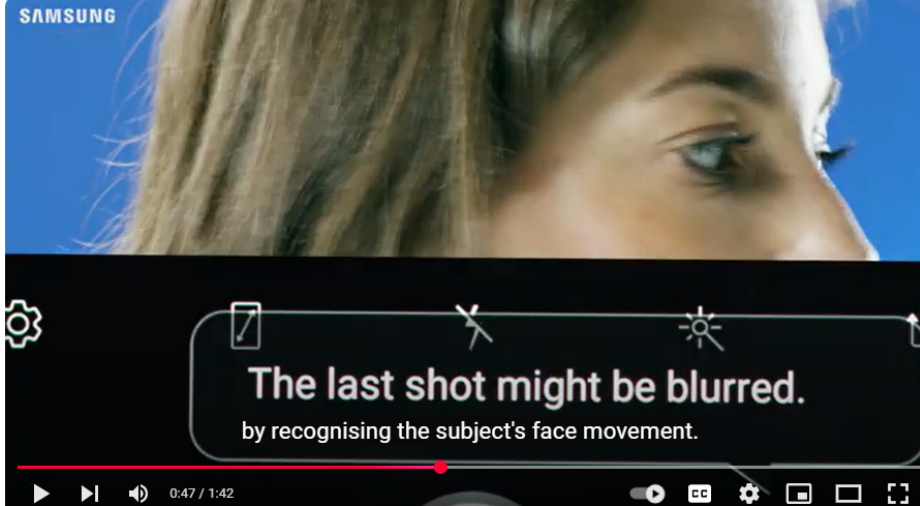
Claim 1	Samsung Accused Products
	<div data-bbox="541 261 1688 859"></div> <div data-bbox="541 878 1247 917">https://www.youtube.com/watch?v=BSYsXVFzmKA</div> <div data-bbox="573 948 1827 1008"><ul style="list-style-type: none">• Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations</div>

Claim 1	Samsung Accused Products
	<div data-bbox="583 272 1136 493"><ol style="list-style-type: none">1 Launch Camera > Tap Bixby Vision2 Scan an item to capture it3 Tap image to search for similar images</div> <div data-bbox="592 532 957 1312"></div> <div data-bbox="621 1328 1102 1360">Tap Image to search for similar images</div>

Claim 1	Samsung Accused Products
	<div data-bbox="569 331 974 1192"></div> <p data-bbox="604 1208 1024 1247">Display a list of similar images</p>

Claim 1	Samsung Accused Products
	https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msocid=3f42d2540b1366bf1cffc7040a5c673f ; see also Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/
1[i] estimating a third weight (c3) associated with the third value;	<p>On information and belief, Samsung Accused Products perform the step of estimating a third weight (c3) associated with the third value.</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products obtain multiple values (e.g., values received from the devices' GPS, lens, aperture, shutter, light sensor, gyroscope, accelerometer, camera metadata, and other components of the digital camera of the Samsung Accused Products values received from its GPS, accelerometer, gyroscope, and/or magnetometer, closed eyes, lens smudge, motion blur, back light, etc.). On information and belief, the Samsung Accused Products estimate a third weight (c3) associated with the third value (QI3). For example, the Samsung Accused Products may or may not send a notification based on at least a total value, which is based on at least a third weight (c3) associated with the third value. <i>See</i> https://www.youtube.com/watch?v=VP6OHB4qkX4 at 1:04 – 1:11 (“Back light detects saturated areas in the image, for example, if there’s a bright light in the background. Depending on the person, background, and environment, you may not be notified.”).</p> 

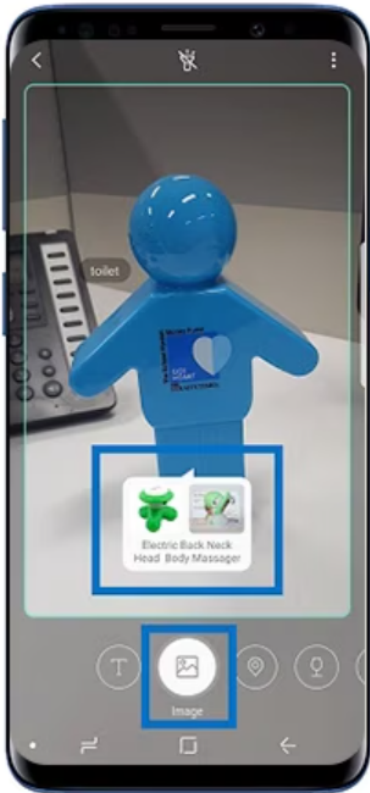
Claim 1	Samsung Accused Products
	<div data-bbox="537 264 1455 724"><p>SAMSUNG</p><p>when there are three or fewer people in the frame,</p></div> <div data-bbox="537 737 1455 1252"><p>SAMSUNG</p><p>Motion Blur detects any blur</p><p>0:38 / 1:42</p></div>

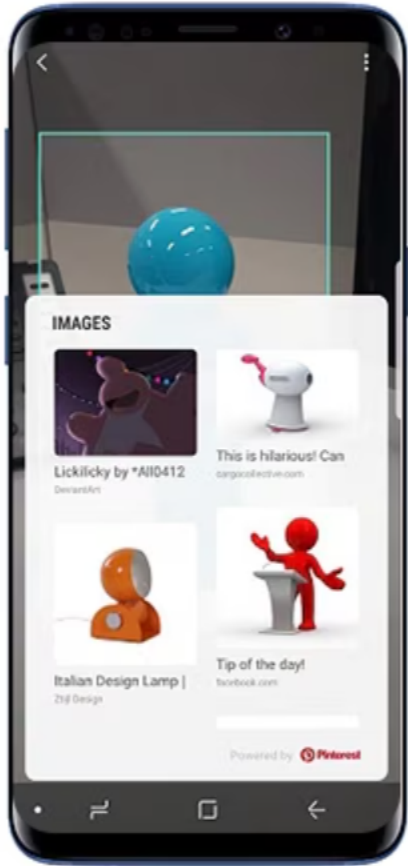
Claim 1	Samsung Accused Products
	 <p>(https://www.youtube.com/watch?v=VP6OHB4qkX4 at 0:18-0:48)</p> <p>See, e.g., on information and belief, the Samsung Accused Products estimate a third weight (c3) associated with the third value (QI3) because the Samsung Accused Products at least use “machine learning” and “AI” algorithms that use the third value (QI3) associated with motion of at least one of said objects to determine the effect of the third value (QI3) on an image captured by the Samsung Accused Products, in view of other values derived from inputs into the Samsung Accused Products. See, e.g., https://news.samsung.com/global/how-samsung-delivers-the-best-camera-experiences-to-galaxy-users (“Our goal is to satisfy two very different needs. First, we help general users by democratizing the experience of professional photography, making it easy for them to create high-quality photos and videos with nothing but their smartphone. Secondly, we aim to bring a more customized shooting experience for pros who want to use their Galaxy smartphone as a professional tool. To do that, we focus on three key areas: the best shooting and viewing experience, ease of use, and controllability. Our aim with the shooting and viewing experience is to ensure that users get crisp, vivid results every time they capture images and videos”). See, also e.g.,</p>

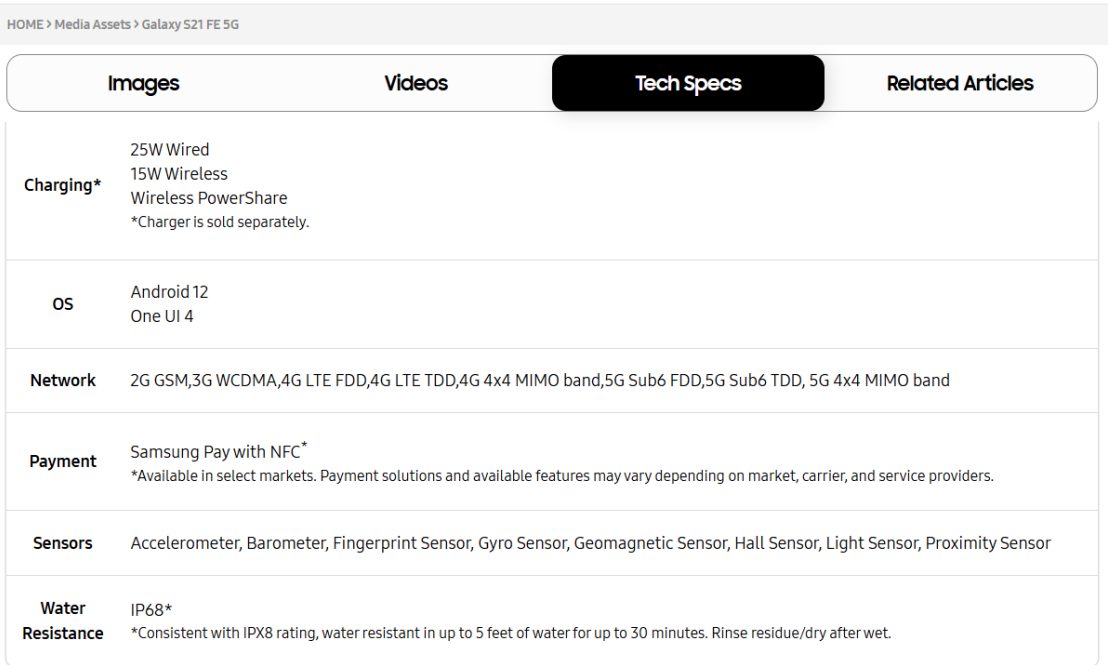
Claim 1	Samsung Accused Products
	<div data-bbox="590 289 1801 347" style="background-color: #f0f0f0; padding: 10px; text-align: center;"> Camera settings → Shot suggestions </div> <p data-bbox="554 397 1839 488">Utilizing machine learning gleaned from the analysis of more than 100 million photos, the Galaxy S10 line's 'Shot suggestion' feature helps you take pictures like a pro. Once you turn the feature on, just follow the visual prompts on the screen and watch your 'best shot' fall effortlessly into place.</p> <p data-bbox="554 532 1822 657">'Shot suggestion' is ideal for when you want to show a single person or place in a lot of different lights, as the AI suggests a varied range of compositional styles. Especially helpful for nature and landscape shots, 'Shot suggestion' ensures the horizon is level, while helping you improve your proportions and positioning. With the AI assistant, finding the perfect composition for your photos is a snap!</p> <p data-bbox="535 695 1831 764">https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10</p> <p data-bbox="550 797 1709 948">Single Take does not even waste the split second you are about to press the shutter. It captures the details of the moment, filters out any shaky shots taken in real time, and picks out clear and colorful pictures.</p> <p data-bbox="548 997 1705 1260">The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p data-bbox="535 1289 1545 1323">https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640</p>

Claim 1	Samsung Accused Products
	<p>Picking and adjusting the best photos in seconds</p> <p>It is important to capture various scenes in one shot, but the ability to quickly select the best moments among them is also important. Single Take uses various AI engines based on deep learning and computer vision technology to quickly analyse and select the best photos.</p> <p>There are many different types of engines that Single Take can use. First, the aesthetic engine learns about 300,000 pictures selected by experts and evaluates the picture's aesthetics, such as photo sharpness, picture quality, and facial expressions. For example, when taking a portrait photo, it chooses a photo with a wide smile instead of a photo with the subject's eyes closed or head bowed. When the best photos are selected, AI uses the same deep learning technology to determine which filters and effects to apply, and automatically applies the best filters to your photos.</p> <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p>  <p>(https://www.youtube.com/watch?v=BSYsXVFzmKA)</p>

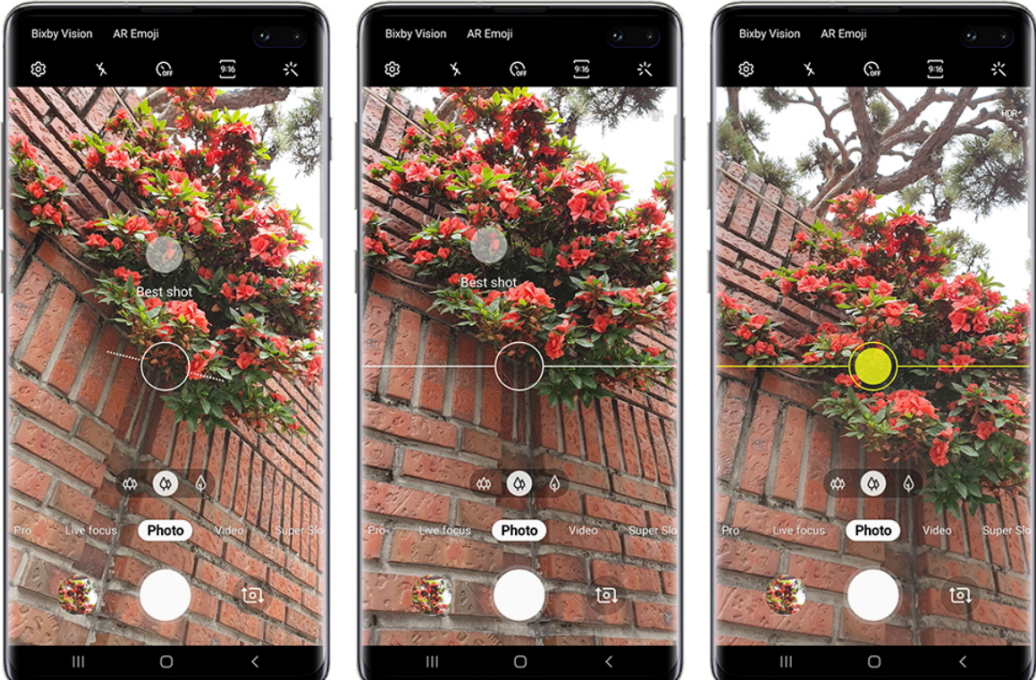
Claim 1	Samsung Accused Products
	<ul style="list-style-type: none">• Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations

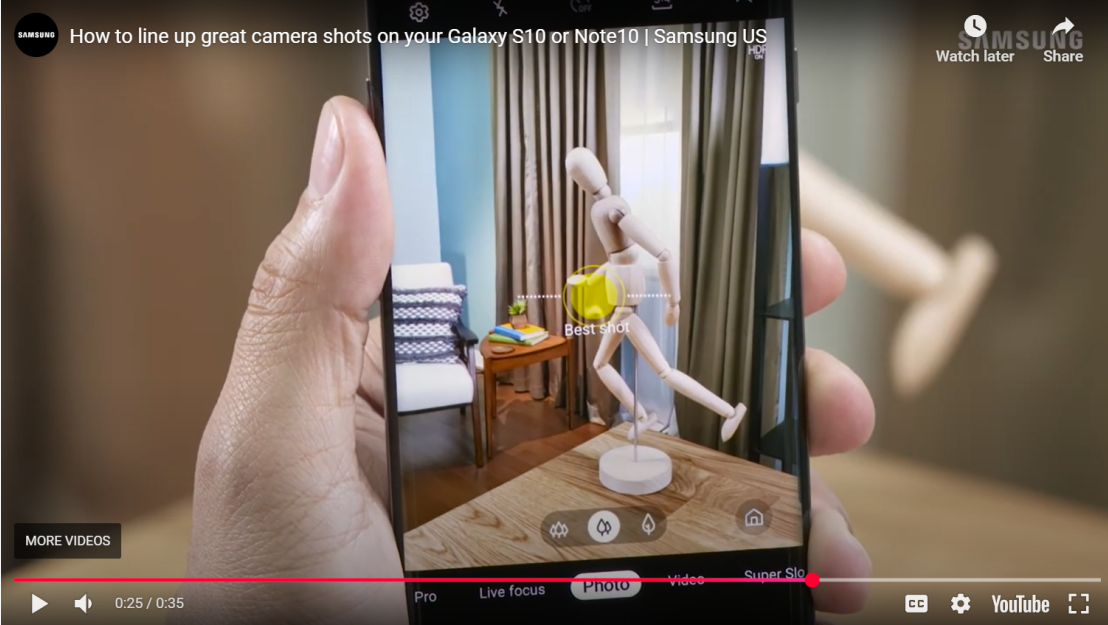
Claim 1	Samsung Accused Products
	<div data-bbox="583 272 1144 495"><ol style="list-style-type: none">1 Launch Camera > Tap Bixby Vision2 Scan an item to capture it3 Tap image to search for similar images</div> <div data-bbox="594 532 961 1320"></div> <div data-bbox="621 1336 1108 1372">Tap Image to search for similar images</div>

Claim 1	Samsung Accused Products
	<div data-bbox="569 331 974 1192"></div> <p data-bbox="604 1208 1024 1247">Display a list of similar images</p>

Claim 1	Samsung Accused Products														
	https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msockid=3f42d2540b1366bf1cffc7040a5c673f ; see also Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/														
1[j] obtaining a forth value (QI4) responsive to obstruction of at least one optical lens; and	<p>On information and belief, Samsung Accused Products perform the step of obtaining a forth value (QI4) responsive to obstruction of at least one optical lens.</p> <p>See, e.g., on information and belief, Samsung Accused Products obtain a fourth value (QI4) responsive to obstruction of at least one optical lens. On information and belief, Samsung Accused Products obtain a fourth value (QI4) responsive to obstruction of at least one optical lens, including one or more of the following: values received from the devices' GPS, lens, aperture, shutter, light sensor, camera metadata, and other components of the digital camera of the Samsung Accused Products to obtain the forth value (QI4).</p>  <p>The screenshot shows the Samsung website's 'Tech Specs' page for the Galaxy S21 FE 5G. It features a navigation bar with 'Images', 'Videos', 'Tech Specs' (highlighted), and 'Related Articles'. Below this is a table of specifications:</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Specifications</th> </tr> </thead> <tbody> <tr> <td>Charging*</td> <td>25W Wired 15W Wireless Wireless PowerShare *Charger is sold separately.</td> </tr> <tr> <td>OS</td> <td>Android 12 One UI 4</td> </tr> <tr> <td>Network</td> <td>2G GSM, 3G WCDMA, 4G LTE FDD, 4G LTE TDD, 4G 4x4 MIMO band, 5G Sub6 FDD, 5G Sub6 TDD, 5G 4x4 MIMO band</td> </tr> <tr> <td>Payment</td> <td>Samsung Pay with NFC* *Available in select markets. Payment solutions and available features may vary depending on market, carrier, and service providers.</td> </tr> <tr> <td>Sensors</td> <td>Accelerometer, Barometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor, Proximity Sensor</td> </tr> <tr> <td>Water Resistance</td> <td>IP68* *Consistent with IPX8 rating, water resistant in up to 5 feet of water for up to 30 minutes. Rinse residue/dry after wet.</td> </tr> </tbody> </table>	Category	Specifications	Charging*	25W Wired 15W Wireless Wireless PowerShare *Charger is sold separately.	OS	Android 12 One UI 4	Network	2G GSM, 3G WCDMA, 4G LTE FDD, 4G LTE TDD, 4G 4x4 MIMO band, 5G Sub6 FDD, 5G Sub6 TDD, 5G 4x4 MIMO band	Payment	Samsung Pay with NFC* *Available in select markets. Payment solutions and available features may vary depending on market, carrier, and service providers.	Sensors	Accelerometer, Barometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor, Proximity Sensor	Water Resistance	IP68* *Consistent with IPX8 rating, water resistant in up to 5 feet of water for up to 30 minutes. Rinse residue/dry after wet.
Category	Specifications														
Charging*	25W Wired 15W Wireless Wireless PowerShare *Charger is sold separately.														
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Claim 1	Samsung Accused Products
	<p>(https://www.samsungmobilepress.com/media-assets/galaxy_s21_fe_5g/?tab=specs)</p> <p>See, e.g., on information and belief, Samsung Accused Products obtain the fourth value (QI4), including one or more of the following: closed eyes, lens smudge, motion blur, back light, etc., responsive to obstruction of at least one optical lens.</p> <p>Notification will be displayed if the following scenarios is detected by the camera:</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Close Eyes*</p> </div> <div style="text-align: center;">  <p>Lens Smudge</p> </div> <div style="text-align: center;">  <p>Motion Blur*</p> </div> <div style="text-align: center;">  <p>Back Light</p> </div> </div> <p>(https://www.samsung.com/ae/support/mobile-devices/galaxy-note-9-what-is-flaw-detection-feature-that-makes-intelligent-camera/?msocid=3f42d2540b1366bf1cffc7040a5c673f)</p> <p>See, e.g., on information and belief, Samsung Accused Products obtain a fourth value (QI4) responsive to obstruction of at least one optical lens. For example:</p>

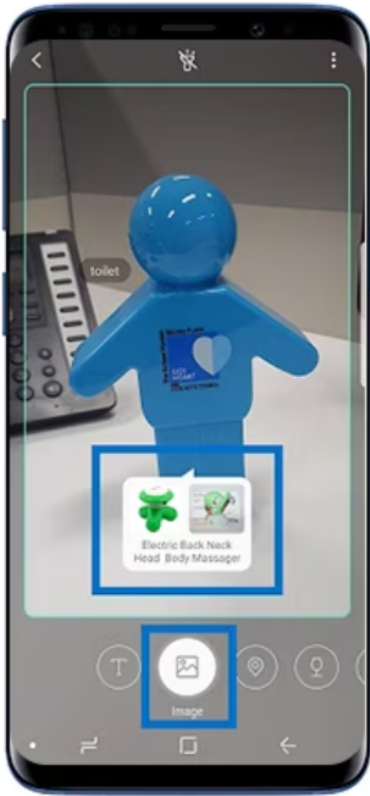
Claim 1	Samsung Accused Products
	<p data-bbox="577 267 1276 305">7. Let 'Shot Suggestion' Guide You to Stunning Pictures</p>  <p data-bbox="535 1029 1831 1101">https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10</p>

Claim 1	Samsung Accused Products
	

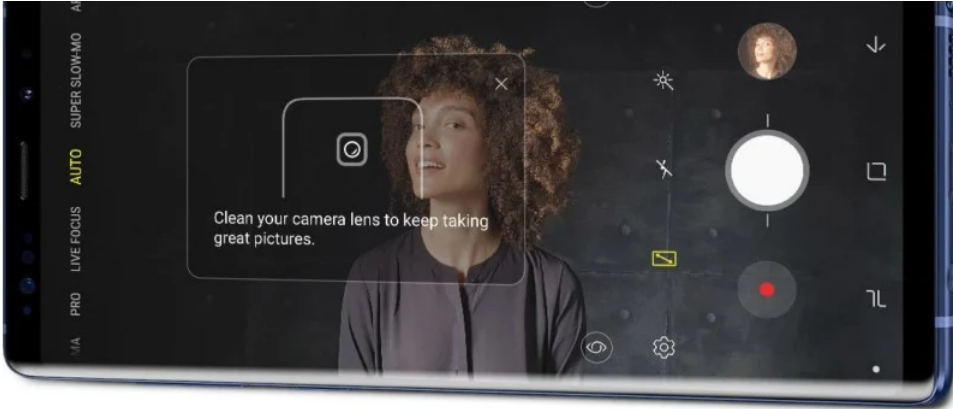
Claim 1	Samsung Accused Products
	<div data-bbox="533 259 1627 868"> </div> <p>(https://www.samsung.com/sg/support/mobile-devices/shot-suggestions-on-your-galaxy-mobile/?msockid=3f42d2540b1366bf1cffc7040a5c673f at 0:18-0:25 (“Align the yellow line, to reach the best shot”)).</p> <p>2. Your trusty assistant whenever you need</p> <p>When in doubt of the best angle, simply ask Samsung Galaxy camera. Activate 'Shot suggestions' and align the 'Best shot' circle in the center of the screen. When it turns yellow, you are ready to capture the best shot!</p> <p>(https://us.community.samsung.com/t5/Tips-Tricks/Samsung-Galaxy-Camera-101-Vol-2-Mastering-the-Essentials/ba-p/2938813)</p>

Claim 1	Samsung Accused Products
	<div data-bbox="590 289 1801 347" data-label="Section-Header"> <h3>Camera settings → Shot suggestions</h3> </div> <p data-bbox="556 397 1839 488">Utilizing machine learning gleaned from the analysis of more than 100 million photos, the Galaxy S10 line's 'Shot suggestion' feature helps you take pictures like a pro. Once you turn the feature on, just follow the visual prompts on the screen and watch your 'best shot' fall effortlessly into place.</p> <p data-bbox="556 532 1822 657">'Shot suggestion' is ideal for when you want to show a single person or place in a lot of different lights, as the AI suggests a varied range of compositional styles. Especially helpful for nature and landscape shots, 'Shot suggestion' ensures the horizon is level, while helping you improve your proportions and positioning. With the AI assistant, finding the perfect composition for your photos is a snap!</p> <p data-bbox="537 695 1831 764">https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10)</p> <p data-bbox="541 786 1545 820">Is video editing difficult and complicated? It's not, if you do it with Single Take</p> <p data-bbox="617 907 1827 1047">In addition to photo and filter selection, Single Take utilises a variety of AI engines and makes intensive editing and processing processes fast and efficient. "Capture Intelligent" uses high-speed shooting according to the amount of light and enables the best shooting according to the situation. Also, the 'person recognition intelligence' function analyses the facial expression, posture, and head tilt of a person, and makes them stand out from the background. 'Motion Intelligence' is also used in video shooting and finds the best moment in the motion of the video.</p> <p data-bbox="546 1076 1866 1135">With the same scene, Network GAN can even create photos with light adjust for the actual time of day, such as sunrise, sunset, or something in-between. If you connect and convert these photos naturally, a 12-second time-lapse video is completed.</p> <p data-bbox="537 1161 1845 1230">https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p>

Claim 1	Samsung Accused Products
	<p>The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p>It uses the smart crop to highlight the most memorable parts or applies multiple AI filters to adjust the color and light of hearty moments or vast landscapes.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p> <ul style="list-style-type: none">• Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations

Claim 1	Samsung Accused Products
	<div data-bbox="583 272 1144 495"><ol style="list-style-type: none">1 Launch Camera > Tap Bixby Vision2 Scan an item to capture it3 Tap image to search for similar images</div> <div data-bbox="594 532 961 1323"></div> <div data-bbox="621 1336 1108 1372">Tap Image to search for similar images</div>

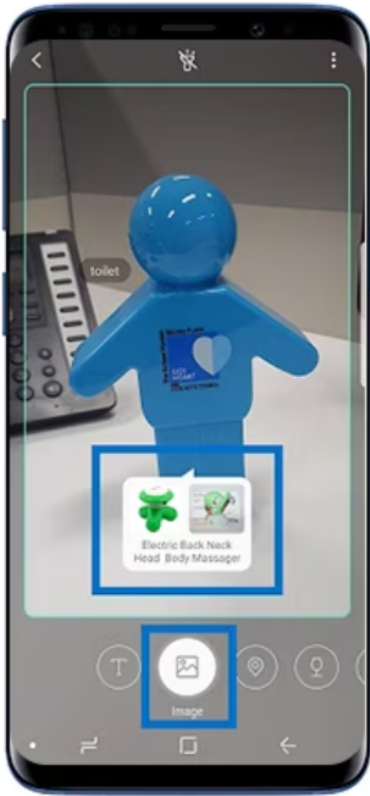
Claim 1	Samsung Accused Products
	<div data-bbox="564 328 928 1105" data-label="Image"> </div> <p data-bbox="596 1122 974 1154">Display a list of similar images</p> <p data-bbox="535 1247 1892 1352"> https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msocid=3f42d2540b1366bf1cffc7040a5c673f; see also Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/ </p>

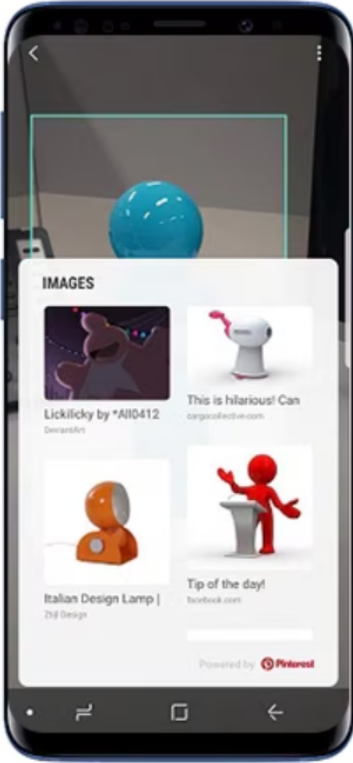
Claim 1	Samsung Accused Products
<p>1[k] estimating a forth weight (c4) associated with the forth value;</p>	<p>On information and belief, Samsung Accused Products perform the step of estimating a forth weight (c4) associated with the forth value.</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products perform the step of estimating a forth weight (c4) associated with the fourth value (QI4).</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products obtain multiple values (e.g., values received from the devices' GPS, lens, aperture, shutter, light sensor, gyroscope, accelerometer, camera metadata, and other components of the digital camera of the Samsung Accused Products values received from its GPS, accelerometer, gyroscope, and/or magnetometer, closed eyes, lens smudge, motion blur, back light, etc.). On information and belief, Samsung Accused Products estimate a fourth weight (c4) associated with the fourth value (QI4). For example, the Samsung Accused Products may or may not send a notification based on at least a total value, which is based on at least a fourth weight (c4) associated with the fourth value (QI4).</p>  <p>(https://petapixel.com/2018/08/09/samsungs-new-galaxy-note-9-points-out-flaws-in-your-photos/)</p> <p><i>See, e.g.,</i> on information and belief, the Samsung Accused Products estimate a fourth weight (c4) associated with the fourth value because the Samsung Accused Products at least use “machine learning” and “AI” algorithms that use the fourth value (QI4) responsive to obstruction of at least one optical lens to determine the effect of the fourth value (QI4) on an image captured by the Samsung Accused Products, in view of</p>

Claim 1	Samsung Accused Products
	<p>other values derived from inputs into the Samsung Accused Products. <i>See, e.g.</i>, https://news.samsung.com/global/how-samsung-delivers-the-best-camera-experiences-to-galaxy-users (“Our goal is to satisfy two very different needs. First, we help general users by democratizing the experience of professional photography, making it easy for them to create high-quality photos and videos with nothing but their smartphone. Secondly, we aim to bring a more customized shooting experience for pros who want to use their Galaxy smartphone as a professional tool. To do that, we focus on three key areas: the best shooting and viewing experience, ease of use, and controllability. Our aim with the shooting and viewing experience is to ensure that users get crisp, vivid results every time they capture images and videos”). <i>See, also e.g.</i>,</p> <div data-bbox="588 633 1801 695" style="background-color: #f0f0f0; padding: 10px; text-align: center;"> <p>Camera settings → Shot suggestions</p> </div> <p>Utilizing machine learning gleaned from the analysis of more than 100 million photos, the Galaxy S10 line’s ‘Shot suggestion’ feature helps you take pictures like a pro. Once you turn the feature on, just follow the visual prompts on the screen and watch your ‘best shot’ fall effortlessly into place.</p> <p>‘Shot suggestion’ is ideal for when you want to show a single person or place in a lot of different lights, as the AI suggests a varied range of compositional styles. Especially helpful for nature and landscape shots, ‘Shot suggestion’ ensures the horizon is level, while helping you improve your proportions and positioning. With the AI assistant, finding the perfect composition for your photos is a snap!</p> <p>https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10)</p> <p>2. Your trusty assistant whenever you need</p> <p>When in doubt of the best angle, simply ask Samsung Galaxy camera. Activate ‘Shot suggestions’ and align the ‘Best shot’ circle in the center of the screen. When it turns yellow, you are ready to capture the best shot!</p>

Claim 1	Samsung Accused Products
	<p data-bbox="537 266 1873 334">https://us.community.samsung.com/t5/Tips-Tricks/Samsung-Galaxy-Camera-101-Vol-2-Mastering-the-Essentials/ba-p/2938813</p> <p data-bbox="550 365 1709 521">Single Take does not even waste the split second you are about to press the shutter. It captures the details of the moment, filters out any shaky shots taken in real time, and picks out clear and colorful pictures.</p> <p data-bbox="550 566 1705 829">The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p data-bbox="537 859 1545 894">https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640</p> <p data-bbox="537 911 1190 946">Picking and adjusting the best photos in seconds</p> <p data-bbox="619 1036 1858 1122">It is important to capture various scenes in one shot, but the ability to quickly select the best moments among them is also important. Single Take uses various AI engines based on deep learning and computer vision technology to quickly analyse and select the best photos.</p> <p data-bbox="619 1146 1871 1289">There are many different types of engines that Single Take can use. First, the aesthetic engine learns about 300,000 pictures selected by experts and evaluates the picture's aesthetics, such as photo sharpness, picture quality, and facial expressions. For example, when taking a portrait photo, it chooses a photo with a wide smile instead of a photo with the subject's eyes closed or head bowed. When the best photos are selected, AI uses the same deep learning technology to determine which filters and effects to apply, and automatically applies the best filters to your photos.</p> <p data-bbox="537 1317 1845 1385">https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p>

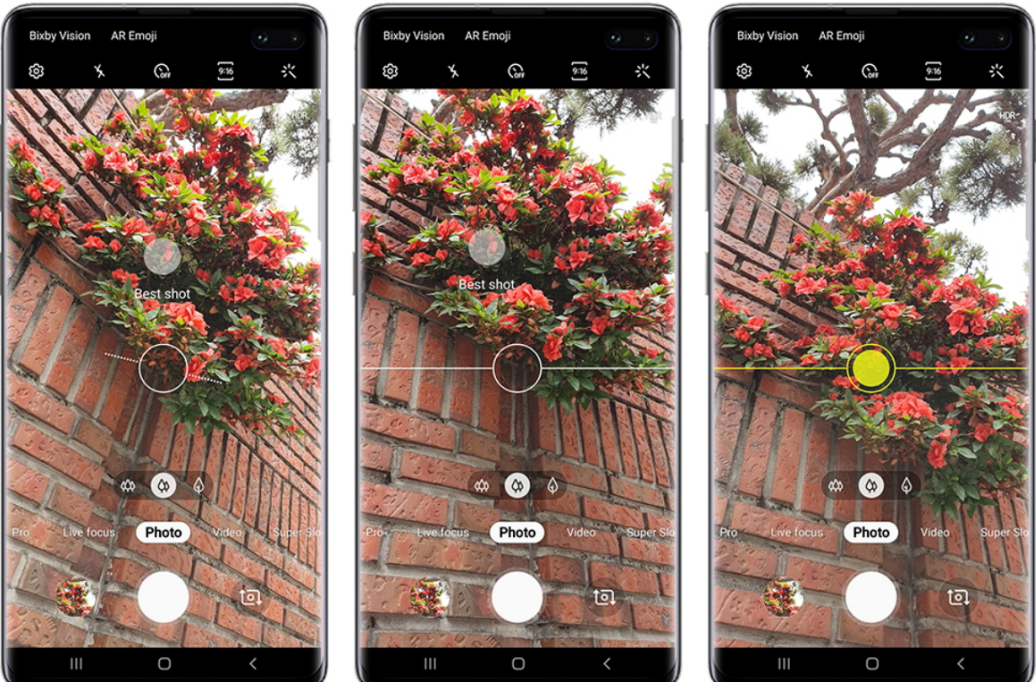
Claim 1	Samsung Accused Products
	<ul style="list-style-type: none">• Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations

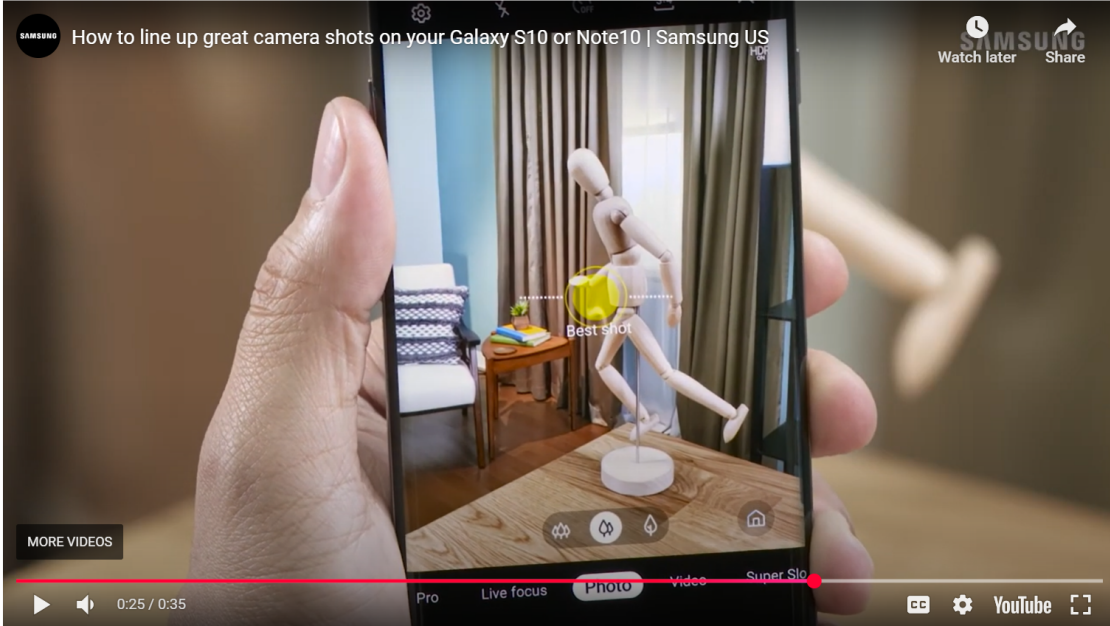
Claim 1	Samsung Accused Products
	<div data-bbox="583 272 1144 495"><ol style="list-style-type: none">1 Launch Camera > Tap Bixby Vision2 Scan an item to capture it3 Tap image to search for similar images</div> <div data-bbox="594 532 961 1323"></div> <div data-bbox="621 1336 1108 1372">Tap Image to search for similar images</div>

Claim 1	Samsung Accused Products
	 <p data-bbox="594 1105 963 1133">Display a list of similar images</p> <p data-bbox="537 1227 1892 1333">https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msocid=3f42d2540b1366bf1cffc7040a5c673f; see also Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/</p>
1[1] wherein at least one of the values QI1,	On information and belief, Samsung Accused Products perform the step of wherein at least one of the values QI1, QI2, QI3, QI4 or the weights c1, c2, c3, c4 are calculated based on an artificial neural network

Claim 1	Samsung Accused Products
<p>QI2, QI3, QI4 or the weights c1, c2, c3, c4 are calculated based on an artificial neural network employing deep learning algorithm to select, based on values QI1, QI2, QI3, QI4 and weights c1, c2, c3, c4, at least one appropriate suggestion from a pre-stored table of suggestions of how a user of the system may cause at least on said value to be above or below a threshold and to present said appropriate suggestion to the user.</p>	<p>employing deep learning algorithm to select, based on values QI1, QI2, QI3, QI4 and weights c1, c2, c3, c4, at least one appropriate suggestion from a pre-stored table of suggestions of how a user of the system may cause at least on said value to be above or below a threshold and to present said appropriate suggestion to the user.</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products perform wherein at least one of the values QI1, QI2, QI3, QI4 or the weights c1, c2, c3, c4 are calculated based on an artificial neural network employing deep learning algorithm to select, based on values QI1, QI2, QI3, QI4 and weights c1, c2, c3, c4, at least one appropriate suggestion from a pre-stored table of suggestions of how a user of the system may cause at least on said value to be above or below a threshold and to present said appropriate suggestion to the user. For example, on information and belief, the Samsung Accused Products display or do not display prompts and/or messages based on performing wherein at least one of the values QI1, QI2, QI3, QI4 or the weights c1, c2, c3, c4 are calculated based on an artificial neural network employing deep learning algorithm. For example, on information and belief, the Samsung Accused Products display or do not display prompts and/or messages based on selecting, based on values QI1, QI2, QI3, QI4 and weights c1, c2, c3, c4, at least one appropriate suggestion from a pre-stored table of suggestions of how a user of the system may cause at least on said value to be above or below a threshold. On information and belief, whether the Samsung Accused Products display or do not display prompts and/or messages based on an artificial neural network employing deep learning algorithm. On information and belief, whether the Samsung Accused Products display or do not display prompts and/or messages based on selecting at least one appropriate suggestion from a pre-stored table of suggestions. On information and belief, whether the Samsung Accused Products display or do not display prompts and/or messages is at least one example of presenting said appropriate suggestion to the user.</p> <p><i>See, e.g.,</i> on information and belief, Samsung Accused Products perform wherein at least one of the values QI1, QI2, QI3, QI4 or the weights c1, c2, c3, c4 are calculated based on an artificial neural network employing deep learning algorithm to select, based on values QI1, QI2, QI3, QI4 and weights c1, c2, c3, c4, at least one appropriate suggestion from a pre-stored table of suggestions of how a user of the system may cause at least on said value to be above or below a threshold and to present said appropriate suggestion to the user. For example, on information and belief, the Samsung Accused Products display or do not display prompts and/or messages based on performing wherein at least one of the values QI1, QI2, QI3, QI4 or the weights c1, c2, c3, c4 are calculated based on an artificial neural network employing deep learning algorithm. For example, on information and belief, the Samsung Accused Products display or do not display</p>

Claim 1	Samsung Accused Products
	<p>prompts and/or messages based on selecting, based on values QI1, QI2, QI3, QI4 and weights c1, c2, c3, c4, at least one appropriate suggestion from a pre-stored table of suggestions of how a user of the system may cause at least on said value to be above or below a threshold. On information and belief, whether the Samsung Accused Products display or do not display prompts and/or messages based on an artificial neural network employing deep learning algorithm. On information and belief, whether the Samsung Accused Products display or do not display prompts and/or messages based on selecting at least one appropriate suggestion from a pre-stored table of suggestions. <i>See, e.g.</i>, on information and belief, Samsung Accused Products calculate at least one of the values QI1, QI2, QI3, QI4 or the weights c1, c2, c3, c4 based on an artificial neural network employing deep learning algorithm to select at least one appropriate suggestion from a pre-stored table of suggestions of how a user of the system may cause at least on said value to be above or below a threshold and to present said appropriate suggestion to the user, for example:</p>

Claim 1	Samsung Accused Products
	<p data-bbox="577 267 1281 300">7. Let 'Shot Suggestion' Guide You to Stunning Pictures</p>  <p data-bbox="535 1031 1837 1096">https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10</p>

Claim 1	Samsung Accused Products
	

Claim 1	Samsung Accused Products
	<div data-bbox="533 259 1627 868"> </div> <p data-bbox="533 885 1906 998"> https://www.samsung.com/sg/support/mobile-devices/shot-suggestions-on-your-galaxy-mobile/?msockid=3f42d2540b1366bf1cffc7040a5c673f at 0:18-0:25 (“Align the yellow line, to reach the best shot”). </p> <p data-bbox="583 1055 1213 1096"> 2. Your trusty assistant whenever you need </p> <p data-bbox="583 1128 1680 1258"> When in doubt of the best angle, simply ask Samsung Galaxy camera. Activate 'Shot suggestions' and align the 'Best shot' circle in the center of the screen. When it turns yellow, you are ready to capture the best shot! </p> <p data-bbox="533 1339 1906 1412"> https://us.community.samsung.com/t5/Tips-Tricks/Samsung-Galaxy-Camera-101-Vol-2-Mastering-the-Essentials/ba-p/2938813 </p>

Claim 1	Samsung Accused Products
	<div>Camera settings → Shot suggestions</div> <p>Utilizing machine learning gleaned from the analysis of more than 100 million photos, the Galaxy S10 line's 'Shot suggestion' feature helps you take pictures like a pro. Once you turn the feature on, just follow the visual prompts on the screen and watch your 'best shot' fall effortlessly into place.</p> <p>'Shot suggestion' is ideal for when you want to show a single person or place in a lot of different lights, as the AI suggests a varied range of compositional styles. Especially helpful for nature and landscape shots, 'Shot suggestion' ensures the horizon is level, while helping you improve your proportions and positioning. With the AI assistant, finding the perfect composition for your photos is a snap!</p> <p>(https://news.samsung.com/global/top-10-features-that-will-improve-your-mobile-experience-on-the-galaxy-s10)</p>

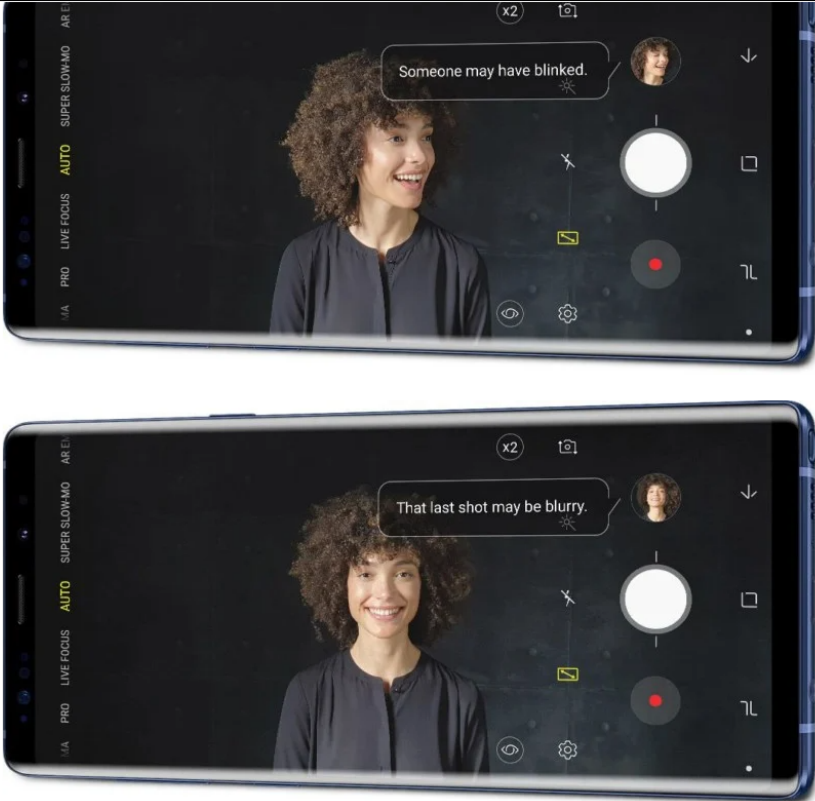
Claim 1	Samsung Accused Products
	<p>The feature, which is turned off by default, uses your phone's AI object detection to give you an indicator of where to best position the camera. With a bit of shifting and tilting, you can easily capture your subject without it looking off-centered. Here's a GIF demoing Shot suggestions.</p>  <p>(https://www.zdnet.com/article/5-hidden-samsung-galaxy-camera-features-you-should-be-using/)</p>

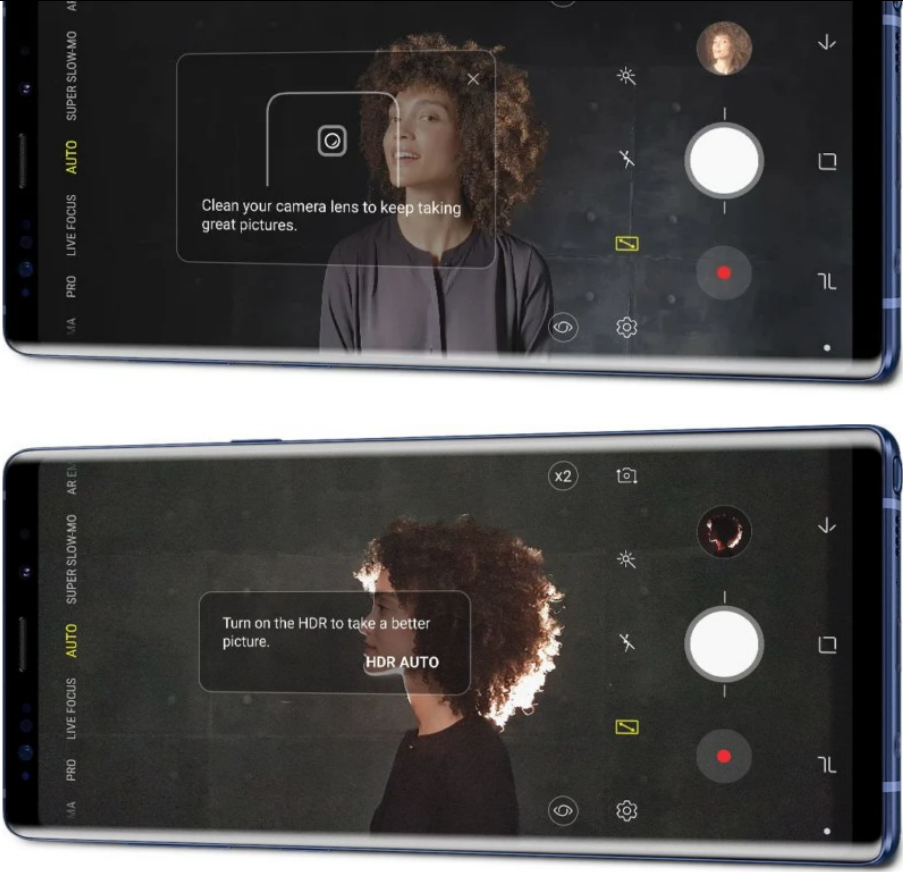
Claim 1	Samsung Accused Products
	<div data-bbox="535 264 1024 1243"></div> <p data-bbox="535 1263 1056 1300">(https://youtu.be/NIOXcezb-XA at 1:05)</p>

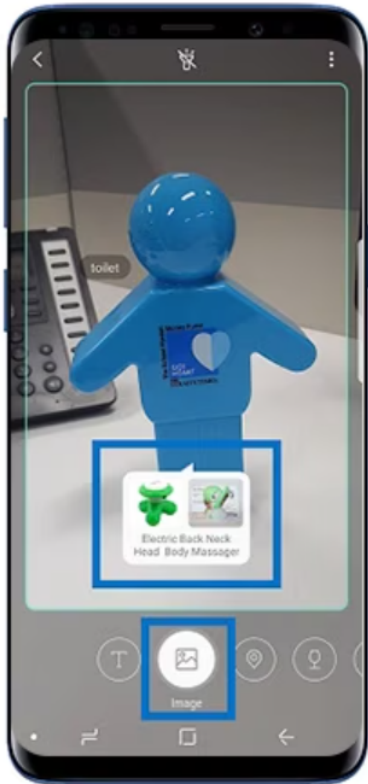
Claim 1	Samsung Accused Products
	<p>Once it's done shooting, AI adds various effects to highlight the best photos and videos. It generates up to 10 photos and up to 4 video clips in real time.</p> <ul style="list-style-type: none"> • For photos, the shooting results are analysed, and corrections or effects can be applied immediately to maximise the advantages of the photo. If the picture is of a person or a pet, then "Portrait mode" is applied to emphasise the subject. When shooting lively moments or expansive scenery, you can use "Smart Crop" to highlight the most impressive parts of a photo or apply various AI filters to adjust colour and brightness. • In the case of videos, AI analyses the movement and background in a scene. First, a fast forward (3x) or slow-motion video with a slow-motion effect added to the highlight section is basically created. Then, depending on the footage, it creates a unique video such as Boomerang, Reverse, and Highlight video, etc. <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p> <p>Single Take does not even waste the split second you are about to press the shutter. It captures the details of the moment, filters out any shaky shots taken in real time, and picks out clear and colorful pictures.</p> <p>The aesthetic engine powered by a deep learning engine has trained on nearly 30,000 professionally curated photos. It analyzes the overall sharpness, photo quality, facial expressions, and more. It also automatically deletes pictures with closed eyes, drooping heads, and shaky or dark photos.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p>

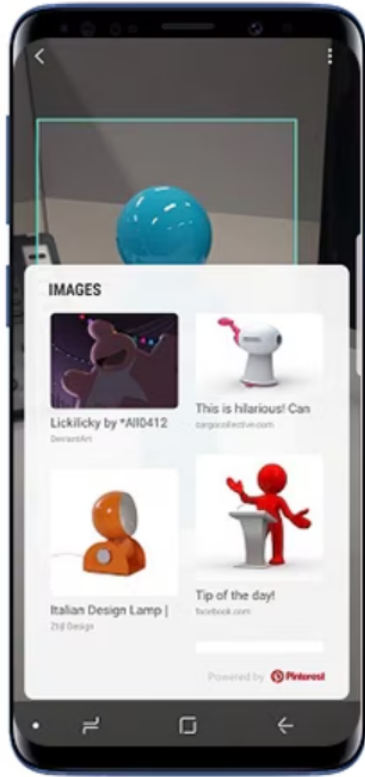
Claim 1	Samsung Accused Products
	<p>Picking and adjusting the best photos in seconds</p> <p>It is important to capture various scenes in one shot, but the ability to quickly select the best moments among them is also important. Single Take uses various AI engines based on deep learning and computer vision technology to quickly analyse and select the best photos.</p> <p>There are many different types of engines that Single Take can use. First, the aesthetic engine learns about 300,000 pictures selected by experts and evaluates the picture's aesthetics, such as photo sharpness, picture quality, and facial expressions. For example, when taking a portrait photo, it chooses a photo with a wide smile instead of a photo with the subject's eyes closed or head bowed. When the best photos are selected, AI uses the same deep learning technology to determine which filters and effects to apply, and automatically applies the best filters to your photos.</p> <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p> <p>One of the factors that determines the completeness of a photo is composition. The Angle Evaluation engine learns the best composition based on a database of about 100 million images and crops the image accordingly. Lastly, when shooting portraits and pets, portrait mode is applied automatically, and it uses AI to separate the subject from the background while applying background effects such as blur.</p> <p>(https://www.samsung.com/in/support/mobile-devices/how-to-make-the-most-of-single-take-with-the-galaxy-s22-ai-camera/)</p>

Claim 1	Samsung Accused Products
	<p>Single Take creation logic</p> <p>Single Take engages multiple intelligent features to create one-of-a-kind results per scene.</p> <p>The AI considers the captured photos and video and applies corrections to reveal their flaunt-worthy side.</p> <p>Suppose you take pictures with your pet. Single Take will pick out the portrait where you have the best expression, crop it, and apply a black-and-white filter. For more than two photos, it will automatically create a collage to highlight the person in the pictures. It will also detect the highlighted areas and automatically create boomerang and slow-motion videos.</p> <p>It uses the smart crop to highlight the most memorable parts or applies multiple AI filters to adjust the color and light of hearty moments or vast landscapes.</p> <p>By default, if slow-motion videos have a bit of motion, they will be fast-forwarded at 3x, while any accelerated movement will be slowed down.</p> <p>(https://r2.community.samsung.com/t5/Tech-Talk/Single-Take/td-p/13588640)</p>

Claim 1	Samsung Accused Products
	 <p>The image displays two Samsung smartphone screens, one above the other, showing a camera application interface. Both screens feature a woman with curly hair in the center of the frame. The top screen shows a notification bubble that reads "Someone may have blinked." with a small icon of a person's head. The bottom screen shows a notification bubble that reads "That last shot may be blurry." with a small icon of a camera. Both screens have a dark background and various camera controls visible on the right side, including a large white shutter button, a red record button, and a zoom lever. The left side of the screens shows camera mode options: "L.A.", "PRO", "LIVE FOCUS", "AUTO", "SUPER SLOW-MO", and "AR E".</p>

Claim 1	Samsung Accused Products
	<div data-bbox="541 261 1438 1128"></div> <p data-bbox="541 1153 1795 1193">(https://petapixel.com/2018/08/09/samsungs-new-galaxy-note-9-points-out-flaws-in-your-photos/)</p> <ul data-bbox="573 1218 1827 1274" style="list-style-type: none">• Vision: Recognises object images, provides information related to the recognised images, searches for shopping items, and offers translations

Claim 1	Samsung Accused Products
	<div data-bbox="583 272 1136 492"><ol style="list-style-type: none">1 Launch Camera > Tap Bixby Vision2 Scan an item to capture it3 Tap image to search for similar images</div> <div data-bbox="592 529 957 1308"></div> <div data-bbox="621 1325 1102 1360">Tap Image to search for similar images</div>

Claim 1	Samsung Accused Products
	<div data-bbox="564 329 926 1101">  </div> <p data-bbox="596 1117 972 1149">Display a list of similar images</p> <p data-bbox="533 1240 1896 1344"> https://www.samsung.com/sg/support/mobile-devices/what-is-bixby-vision-and-how-to-use-it/?msockid=3f42d2540b1366bf1cffc7040a5c673f; see also Google Lens https://thetechylife.com/how-do-i-use-google-lens-on-samsung/ </p>