



PRODUCT DATASHEET
SpeedFusion Engine Cam



Integrated Dual-Cellular Bonding
for Professional IP Cameras

SpeedFusion Engine Cam



Unbreakable Video Streaming

The SpeedFusion Engine Cam (SFE Cam) uses SpeedFusion bandwidth bonding technology to combine the reliability and bandwidth of two cellular connections and Wi-Fi, giving you rock solid data link for live streaming*. With redundant SIM slots, the SFE Cam gives you a total of four SIM cards to select from. WAN Smoothing and FEC protect your video stream from the effects of packet loss.

Compatible With:

And worldwide 4G LTE/3G carriers

* Cameras must have built-in streaming encoder with LAN or Wi-Fi connectivity.

Portable, Integrated

The SFE Cam is a self-contained unit with everything you need for unbreakable video streaming, including enclosed antennas. It is powered by Gold Mount or V-Mount and connected using RJ45 Ethernet LAN, making the set-up process fast and simple. With everything integrated into the IP camera, reporters have the speed and mobility needed to quickly capture live news, wherever it may occur.



Enclosed Antenna for Durability

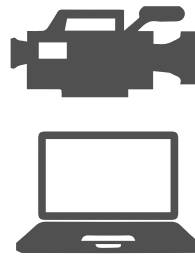
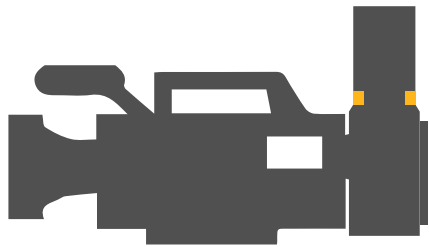
Power: Gold Mount or V-Mount

Connectivity: RJ45 Ethernet



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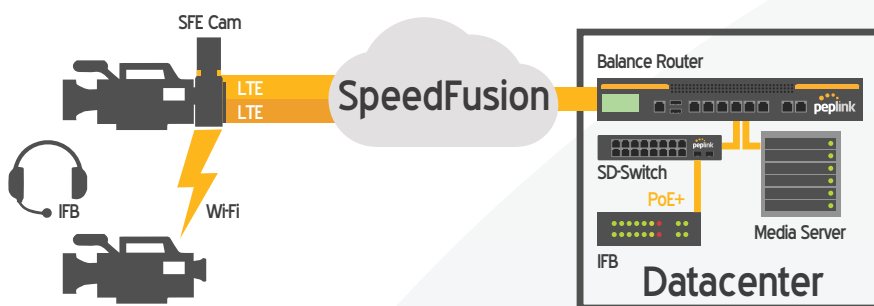
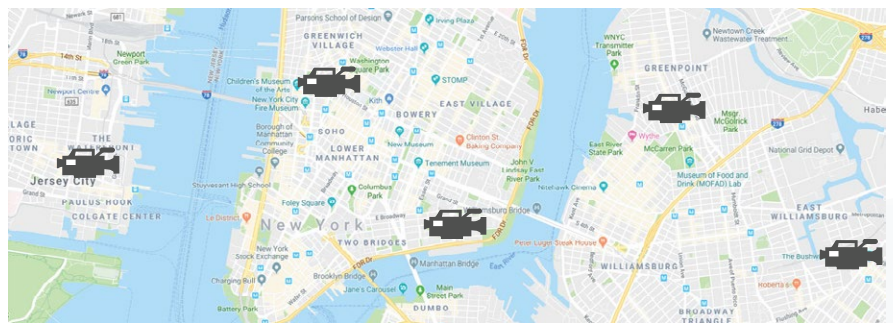


Mobile Wireless Hub

With its Wi-Fi radio, the SFE Cam turns your IP camera into a portable hotspot with VPN access to headquarters. You can use this hotspot to connect laptops to begin post-processing, or even connect another IP camera for video streaming. Having a hotspot that travels with your IP camera gives you additional flexibility when and where you need it the most.

Centrally Manage Data Plans, Track Location

Use GPS to track the location of each IP camera, ensuring that the event is covered from all angles. For deployments involving multiple IP cameras and pooled SIM data, you can use the InControl central management platform to monitor SIM card data usage. If your network goes over the bandwidth limit on any SIM card or SIM pool, you will receive e-mail notifications.



Live News Coverage

In this deployment, the SpeedFusion Engine Cam (SFE Cam) streams the video to the datacenter using the combined bandwidth of two LTE connections, ensuring reliable and consistent connectivity.

The video stream is received by a Balance router at the datacenter and forwarded to the media server for decoding and post-processing. Within the SpeedFusion connection, WAN Smoothing and FEC mitigate the effects of packet loss, ensuring smooth and consistent video streaming. Each cellular connection supports a redundant SIM card, so you can choose between four carriers.

The SFE Cam connects directly to your IP camera using the Gold Mount or V-Mount and the RJ45 Ethernet LAN port, enabling you to quickly set up and live stream from anywhere. The SFE Cam is equipped with a Wi-Fi radio which can either be used as another WAN for bandwidth bonding or as a hotspot to connect another IP camera.

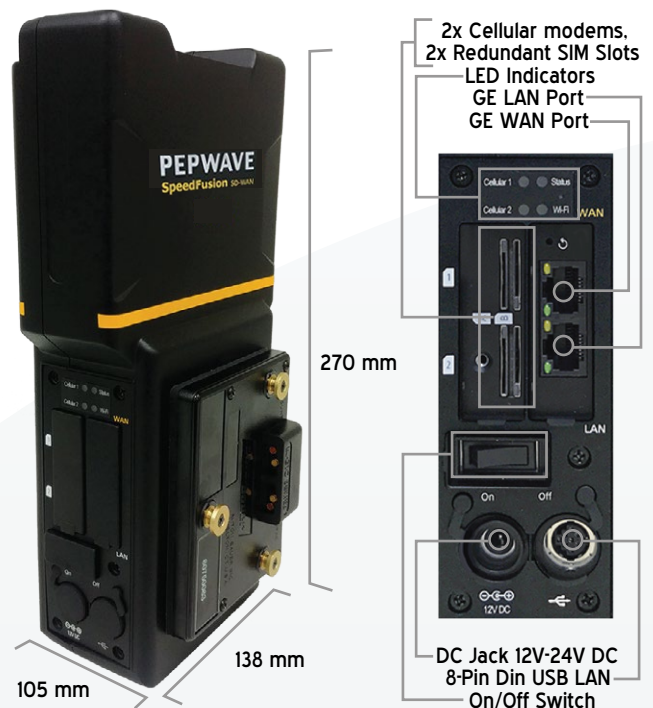


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SPECIFICATIONS

- **WAN Interface:** 1x GE, 2x Embedded LTE-A Modems with Redundant SIM Slots
- **LAN Interface:** 1x GE, 8-Pin Din USB
- **Wi-Fi Interface:** 2x2 MIMO 802.11ac AP and WAN[^]
- **Router Throughput:** 400 Mbps
- **PepVPN/SpeedFusion Throughput (No Encryption):** 100 Mbps
- **PepVPN/SpeedFusion Throughput (256-bit AES):** 60 Mbps
- **LTE-A Modem:** Downlink/Uplink Datarate: 300Mbps/50Mbps
- **Cellular and GPS Antennas Connector:** Internal Cellular, Wi-Fi and GPS Antennas
- **Power Input:** DC Jack 12V-24V DC, SFE-CAM-AB: Anton Bauer Gold Mount, SFE-CAM-VM: V-mount
- **Power Consumption:** 18W (max.)
- **Dimensions:** 270 x 138 x 105 mm
- **Weight:** 2.0 kg
- **Operating Temperature:** -40 ° – 45 °C
- **Humidity:** 15% – 95% (non-condensing)
- **Certifications:** FCC, CE, RoHS, E-Mark, EN 55032: 2015 - Electromagnetic Compatibility of Multimedia Equipment, EN 61000, EN55024, EN62311, EN60950S
- **Warranty:** 1-Year Limited Warranty
- **Package Content:** SpeedFusion Engine CAM, USB-to-Camera Cable (ACW-418), 1x 12V2A Power Supply (ACW-601)



[^] Simultaneous Wi-Fi WAN and AP can only function on one of the spectrums (either 2.4 or 5GHz)



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ORDERING INFORMATION

Product Code	Carrier/Region	Embedded Modems	Connector	4G Bands	3G Bands
SFE-CAM-AB-LTEA-P	Asia Pacific	2	AntonBauer Gold Mount	B1, B3, B5, B7, B8, B18, B19, B21 B28, B38, B39, B40, B41	WCDMA/HSPA+/ DC-HSPA+: B1, B5, B8, B9, B19 UMTS: B6 TD-SCDMA: B39
SFE-CAM-VM-LTEA-P	Asia Pacific	2	V-Mount	B1, B3, B5, B7, B8, B18, B19, B21 B28, B38, B39, B40, B41	WCDMA/HSPA+/ DC-HSPA+: B1, B5, B8, B9, B19 UMTS: B6 TD-SCDMA: B39

Why Rising Connection is using equipment designed and built by Peplink?

- Industry leader in both ISP & Data Bonding across multiple technology platforms
- Reliable hardware from entry level professional equipment through to advanced Enterprises solutions
- Worldwide supported and local support here in Australia by fully trained technicians
- Reliable and secure redundancy paths for mission critical sites
- Designed for maximum possible business uptime

This demonstrates to Rising Connection that you will have the Quality, Reliability and Product Support.