SE2 Fleet Wedge Camera

2MP camera with LED Flicker Mitigation (LFM) and High Dynamic Range (HDR)

NDAA compliant

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For mobile customers who need to capture all the details outside the vehicle in fast-changing lighting sources, the **SE2 Fleet Wedge Camera** incorporates an automotive grade CMOS sensor to provide simultaneous LFM and HDR. The camera is protected by a weather-proof (IP67), vandal-proof (IK10) enclosure. Additionally, the camera's optional on-board storage ensures video is still being recorded, even if the connection with the recorder is lost (due to loss of power, routine maintenance, etc.).

The camera provides 90° rotation so images can be captured vertically, maximizing the field of view down the side of the bus or train.

Key Benefits

▼ **Eliminate LED Flicker.** LED Flicker Mitigation (LFM) suppresses the "strobing" generated by vehicles, traffic lights, and electronic signs that use LED light sources.

▼ **Moisture protection.** Two vents allow moisture to escape to prevent fogging, both on start-up and when temperature and humidity levels change (e.g., when transitioning from a tunnel into daylight).

▼ **Easy to position.** The camera's pan, tilt and rotation are adjusted by a single mechanism. This allows for single-handed positioning of the camera during installation and simplifies setup.

▼ **High Dynamic Range (HDR).** The camera blends the best parts of several separate exposures to combine the most focused, well-lit, and colorful parts of the scene. This is especially beneficial in fast-changing lighting conditions, e.g., in and out of tunnels and overpasses.

▼ **Power over Ethernet (PoE).** This allows the camera to be powered via a single cable (unlike competitors' cameras that require an additional cable). PoE also allows for easy installation.

▼ **QR Code for in-field support.** March Networks GURU is the industry's first smartphone app that enables integrators to scan the camera's QR code to access diagnostic information, check the warranty, and initiate an RMA.

Get flicker-free video in a small, durable form factor, with PoE and automatic condensation removal.

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CAMERA

Image Sensor	1/3" CMOS with LFM
Dynamic Range	120dB
Lens	F2.0 fixed lens (choice of 2.8mm or 4.6mm)
Angle of View	4.6mm lens: 77° horizontal, 42° vertical 2.8mm lens: 117° horizontal, 64° vertical
Day/Night	Automatic IR cut filter
Minimum Illumination	Color: 0.12 Lux @ F2.0
Shutter Time	Up to 30ms

VIDEO

Video Compression	H.264 (MPEG-4 Part 10/AVC)
Resolution	2MP (1920 x 1080), SXGA, 720p, XGA, SVGA, D1, VGA, CIF
Frame Rate	Up to 30fps @ 2MP (1920x1080)
Video Streaming	Quad-stream H.264 (full resolution on stream 1 and stream 2) Controllable frame rate and bandwidth CBR/VBR/LBR Up to two simultaneous streams with any combination of resolution and frame rate
Image Settings	Brightness, sharpness, contrast, saturation, hue, exposure control, white balance control, digital zoom, dynamic range control, 3D noise reduction

NETWORK

Security	Password protection, HTTPS encryption (configuration only)
Supported Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DHCP, ONVIF-S
Interface	RJ-45, 10/100Mbps Ethernet
Internet Browser	Internet Explorer (10+)

GENERAL

Construction Camera	Polycarbonate transparent cover Powder-coated aluminum housing
Environmental	IP67, IK10
Power	Power over Ethernet IEEE 802.3af Class 3
Power Consumption	5W
Connectors	RJ45 or M12 4-pin
Local Storage	microSD/microSDHC/microSDXC memory card up to 64GB (card sold separately)
Operating Conditions	-13° to 131°F / -25° to 55°C Humidity 8 – 90% RH, non-condensing
Certification Model	C2702A
Regulatory Approvals	EN55032, CISPR 25, FCC Part 15 Subpart B; ICES-003, EN50155; EN50130-4; EN 50121-3-2; SAE J1113
Environmental Directive Compliance	ROHS2 Directive 2011/65/EU and amendment (EU) 2015/863, WEEE Directive 2012/19/EU
Shock/Vibration	SAE J1455, EN50155 (IEC 61373)
Camera Weight	1.9 lbs (0.86 Kg)

ORDERING INFORMATION

38309-102	SE2 Fleet Wedge Camera — 4.6mm fixed lens, RJ45 connector
38309-104	SE2 Fleet Wedge Camera — 4.6mm fixed lens, M12 connector
38309-114	SE2 Fleet Wedge Camera — 2.8mm fixed lens, RJ45 connector

6.3"
16.06 cm

2.8"
7.16 cm

4.8"
12.11 cm

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