



MicroScanIR **Rugged, Compact Scanner Built for Reliability**

The versatile MicroScanIR was designed for simplicity and accuracy, with a range of improvements in scanning technology. Its compact configuration fits into a 10-inch tie space, and meets AREMA standards for rail-mounted hardware. One person can install it easily.

It can be used for either hot bearing or hot wheel detection. Its direct look approach eliminates mirror assembly of previous designs. MicroScanIR has a single assembly for lens and preamp, with easy lens access for cleaning.

Performance improvements include greater shutter reliability plus heightened shock and vibration absorption to reduce false stops caused by microphonics. Three isolation layers increase protection from electromagnetic interference and lightning.

Extra field protection is provided by a rodent- and rain resistant design and by water-resistant cabling. A modular optics sub-assembly makes maintenance and repair simpler.





Specifications

Power Requirements

Shutter power

12 VDC at 5 amps: 60 watts

Pre-amp power

5 VDC at 100 mA

Integrity heater

120 VAC at 6 amps: 72 watts

Scanner cover heaters (2 per scan)

120 VAC at 3 amps: 360 watts

Operating Temperature

Minimum: -40°F (-40°C)

Maximum: +160°F (+71°C)

Dimensions

Height: 9.94 in (25.25 cm)

Width: 10.77 in (27.36 cm) (with hot bearing clamp) 17.68 in (44.91 cm)

(With hot wheel clamp)

Depth: 10.42 in (26.47 cm) (oriented for hot bearing) 8.31 in (21.11 cm)

(Oriented for hot wheel)

Weight

30 lb (13.61 kg)

(Without cables)

