

# **LocoCAM™ – Integrated Locomotive Video Recorder**

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I-Based Services

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## State-of-the-Art Accident Recorder Technology



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Vehicle Recorder TOPTec Symposium

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### State-of-the-Art Accident Recorder Technology



- LocoCAM™
  - Forward-looking locomotive camera
    - Captures video & audio evidence
- Main Benefits
  - Aids in accident investigations
  - Defeats fraudulent claims
  - Guards corporate image
  - Enables crew monitoring & training

### State-of-the-Art Accident Recorder Technology



- **Locomotive Hardened**
  - Designed to withstand environmental extremes
    - Solid-state design, sealed, rigorously tested
- **Wireless Real-time Health Checks**
  - Onboard monitoring generates failure alerts
    - Signals present/not present, static/dynamic
- **Completely Integrated**
  - Coupled with locomotive controllers & GPS
    - Velocity, horn, bell, tractive effort, Lat/Lon/UTC

## State-of-the-Art Accident Recorder Technology



- 2002 Class 1<sup>1</sup> Accident/Incident Statistics<sup>2</sup>
  - Highway Crossings: 2,162
  - Railroad Trespassing: 658
  - Accidents/Incidents Per Day: 7.7
- Independent Accident/Incident Analysis
  - Average Class 1 Settlement Costs: \$3.2M<sup>3</sup>
  - Class 1 Cost/Locomotive/Year: \$21,750<sup>4</sup>

<sup>1</sup>Class 1 Designation by Surface Transportation Board (STB) based on revenue  $\geq$  \$266.7M in 2001

<sup>2</sup>Source: FRA Jan – Dec 2002 (Preliminary) web site May 12, 2003

<sup>3</sup>Source: verdict.com 1986 – 2002 Plaintiff & Settlement Totals

<sup>4</sup>\$21,750 = ((Total Class 1 accidents/Incidents X 0.5%) / 20,516 locomotives) X \$3.2M/settlement