CohuHD
Rugged, high-definition video cameras solutions for ITS, critical infrastructure and HLS

Gerard Amato
Northeast US
Cohu HD
Video Applications

- ITS and Surveillance
  ATMS
- Automated Incident Detection (AID)
- Intermodal/port security
- Remote Weather Information Systems (RWIS)
- Critical infrastructure protection
  HLS

www.CohuHD.com
CohuHD Cameras

Dome Style

- HDTV Resolution
  - HD1080p / 720p
  - H.264 Video Compression

What's New

- Highest Power HD Optics on Market @ 30x
- Exceptional Low Light Sensitivity
- Defog Image Processing
- Electronic Image Stabilization

www.CohuHD.com
CohuHD Cameras

30X Imaging Features

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Defog Video Analytics

Zoomed into Fog Bank with Defog OFF

Zoomed into Fog Bank with Defog ON

www.CohuHD.com
Thank You!
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Thermal Vehicle Detection

Thermal Bicycle Detection
Solutions for Smart Cities of All Sizes
Aldis Overview

GridSmart® System
Site Analysis and Camera Placement

**RULES OF THUMB**

- Recommended mounting height of 30 ft (9m)
- Mount as close to the center of the intersection as possible to provide the camera with a clear view of all approaches
- Good engineering and planning produces good results

Note: When camera positioning is outside the recommended height & distance, performance **may not** be optimal.
The ATC Cabinet
Craig Hinners
The ATC Cabinet Series

Designed to match the capabilities of modern ATCs:
- 120 detector inputs
- 32 output channels
- Forward compatible with 48 VDC

Available in multiple footprints, the cabinet also offers:
- Unrivaled safety features
- Enhanced operations through use of high-density components
- Intuitive user access and experience
NextGen Load Switches & Flashers

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NextGen Flash Transfer Relays
System Overview

[Diagram showing traffic control equipment and components, including SPP Digital Radio, Stop Bar Detection, Repeater, Traffic Controller Cabinet, Access Point Controller Card, and Isolator.]
Magnetic Re-Identification Technology

Travel Time provides:

- Full distribution of travel times
  - Median Travel
  - 80th percentile
  - 90th percentile
- Vehicles in segment (number)
- Counts & Speed
- Level of Service
- Open XML feed
  - No additional software to purchase
  - Integrates with TranSuite, Delcan, Kimley-Horn ATMS
Dynamic Message Signs

Randy Bobo
Regional Sales Engineer
719-482-8027
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Skyline DMS

- Variable Message Sign (VMS)
- Changeable Message Sign (CMS)
- Blankout Sign (BOS)
- Rotary Drum Sign
- Lane Use Sign (LUS)
- VMS/LUS
- Rotary Drum
- Variable Speed Limit (VSL)
  - Scroll Sign
  - LED
- TriColor
- Full Color
- Scrolling Film
Skyline DMS Technology

- Full NTCIP compliance with advanced feature set
- ISO-9001 Certified
- ITS-approved, field-hardened 2070 local sign controller or SSC
- Top-quality materials
- State-of-the-art design
- Finest construction techniques
- Longest warranty in the industry
2013 Product Overview

Material Supplier for the Metro Area:
Microwave Detectors, CCTV, Video Detection, Solar Systems,
UPS Stealth, Ethernet Switches, Fiber Transceivers, Traffic Controllers
LANE BY LANE Data Collection

- Volume
- Occupancy
- Speed
- Classification
- Contact Closure

TRAFFIC SYSTEMS & TECHNOLOGY
WWW.TRAFFICSYSTEMS.US
G4-CAM – features and uses

• Features
  – H.264 Compression
  – TCP/IP integration
  – Data/Video over one channel

• Uses
  – Remote setup and calibration
  – Visual verification
  – Incident monitoring
For more information or a private Webinar Presentation please call
(503) 399-3517 www.PSI-Traffic.com

UltraPower-Stealth vs. Lead-Acid

1. No Piggyback Cabinet required
2. Longer Life
3. No Maintenance Required
4. 70% Lighter in weight and unique size
5. Quick and Easy Installation (can be installed in nearly every style of traffic cabinet)
6. Increased Reliability & Performance
7. No Recycling Cost
8. Environmentally Friendly
Real-time adaptive traffic control system
- Adjusts signal timing based on current traffic
  - Every Cycle (Period) is different
  - Adjusts due to traffic surges, diversions, accidents
- Adaptive simulation using Synchro®/SimTraffic®
- Only solution that analyzes the entire system
- Can model adaptive traffic control
- Integrates with Synchro® and SimTraffic®
- Calibrate adaptive settings before deployment
- Compare adaptive system to TOD operation
Optimization

- Phase Allocation (Split)
- Period (Cycle)
- Start Time (Offset)
- Balanced Mode
- Progression Mode
- Critical Movement Mode

- Detection can be any reliable technology
  - Inductive Loops
  - Video
  - Magnetometers
  - Radar
Software-Based Solution

- No additional proprietary hardware
- No “Black Box” required
- Flexible detection and communications
- NTCIP Compliant
- Easy Interface

SYNCHROGREEN IS DESIGNED TO MINIMIZE TOTAL DELAY.