

Sponsored by: **GENERAL DYNAMICS**
C4 Systems

Search...

GO!

Subscribe to our free e-newsletter

SUBMIT

Mo



SAVE WITH GEICO.
Tell us you're a Federal employee and you could save on car
GEICO.

[Home](#) [Technology Sectors](#) [Market Sectors](#) [Buyer's Guide](#) [Back Issues](#) [Videos](#) [Calendar](#) [White papers](#)

Video surveillance system monitors Latvian bobsleigh run

Fri, 2012-03-09 05:01 PM

A premium bobsleigh track in Latvia, which is used for European and world championships, is benefiting from transmitter and receiver balun units manufactured by [RD Alfa Microelectronics](#), of Riga, Latvia.



Bobsleigh run in Latvia

An Olympic training venue, the full 1,420-meter course has 16 curves around which competitors hurtle at 125 kilometers per hour. The track is home to luge as well as bobsleigh competitions, and tourists are offered a ride in a "soft bob" driven by experts.

Sigulda hosted the 2010 European Luge Championships in which the Latvian hosts won the mixed team relay. Sigulda will host the 45th World Championship of the International Luge Federation in 2015.

The bobsleigh venue at Sigulda in the Gauja Valley has a 21-camera analog CCTV system of both static and PTZ units from Samsung and Infinity. The cameras are used for competitor and spectator safety, general logistics and security surveillance.

In order that the venue should benefit from the engineering economies and cost benefits of untwisted pair (UTP) cabling, RD Alfa Microelectronics have supplied their Twist and Twist-2T transmitter and receiver balun products, which allow UTP transmission of video signals at distances of up to 900 and 1,800 meters, respectively. The main function of these products is to convert a video camera's signal into a differential video signal and the subsequent conversion of a differential stream into a standard single-ended signal.

Track officials also use footage from the CCTV system to dispatch competitors at appropriate times, observe traffic around the course, monitor crowd activity, respond to alarm situations and inspect the track prior to carrying out preventative maintenance.

A key part of the RD Alfa Microelectronics installation has been the company's Twist-Auto system which performs automatic frequency corrections of differential video signals to compensate for high-frequency losses in an extended video transmission line. The receiver has indicators for video signal presence and offers input protection from impulse current surges.

Roman Maksimov, regional sales manager at RD Alfa Microelectronics, said, "The many advantages of the balun and UTP approach over use of coaxial cable include minimizing on-site engineering time. Video cameras installed on this track use only two main multi-pair cables to transmit video signals. This significantly simplifies servicing the system and allows quick connection of new video cameras.

"The use of IP cameras on this track is impossible because of the high-velocity of the luges and bobsleighs," Maksimov continued. "Our approach is also 'green' in so far as analog cameras which are still fit for purpose can continue to operate but with UTP cabling."

The company's portfolio includes a project at the Riga shipyard which is a focal point of the whole Baltic sea region. Based in the Latvian capital of Riga, RD Alfa Microelectronics has a strong record in optimizing the use of video surveillance at sporting venues and infrastructure sites. Founded in 1962, RD Alfa Microelectronics designs and manufactures a

Radiation Solutions
for Any Scenario
Click here to learn more

Follow the leading experts

ASIS INTERNATIONAL
Professional certifications
CPP Certified Professional Professional
PCI Professional Certified Information Security Management
Accepted as the standard.

Recent Videos

[GSN 2011 Awards Dinner and Interviews: John Clark, President Whitestone](#)



It's been a bar Whitestone Group Clark, CEO of asset/force pro

investigations...



[GSN 2011 A Sponsor Int Horne, Practice Malware Solutions Inc](#)

CO-based Accuvant, Inc has two different Value Added Reseller (VAR) side, in w

[GSN 2011 Award Winners and Interviews: Dave Natelson, PR Security](#)

Technology Sectors

Sponsored by Prism Microsystems

- [Access Control | Identification](#)
- [CBRNE | Detection](#)
- [Communications](#)
- [Cyber Security](#)
- [Disaster Preparedness | Emergency Response](#)
- [Education | Training](#)
- [IT Security](#)
- [Perimeter Protection](#)
- [Video Surveillance | CCTV](#)

Market Sectors

- [Airport | Aviation Security](#)
- [Border Security](#)
- [Federal | Agencies | Legislative](#)
- [Infrastructure Protection](#)
- [Law Enforcement | First Responders](#)
- [Maritime | Port Security](#)
- [Military | Force Protection](#)
- [State | Local Security](#)
- [Security Services](#)

wide range of products, including twisted pair transceivers, amplifiers and baluns for transmitting video over UTP cable.

Tags: [Homepage](#) [Market Sectors](#) [Technology Sectors](#) [Company News](#) [Infrastructure Protection](#) [State | Local Security](#) [Video Surveillance](#) | [CCTV](#)

[Share / Save](#)   


Like • 1 person liked this.



Add New Comment

[Login](#)



Showing 0 comments

Sort by popular now 

 [Subscribe by email](#)  [RSS](#)

GSN caught up with Dave Natelson for the Cocktail Reception Awards Dinner that Nasatka h



Interviews: Ann Pickren, VP of MIR3, Inc

Ann Pickren discusses MIR3's Mass Net was awarded a Winner's Trophy in GS Security Awards Program. She explain



GSN 201: Presenta Annual G Award fo Leaders! Innovati

Safety and Security to Admira former USCG Commandant (R

Former Coast Guard Commandant Th through a long and distinguished care Coast Guard and later answered the..

Upcoming Events

Event Details

- [SANS Secure Singapore 2012](#)
- [SANS Germany 2012](#)
- [Basic Hands-On CAMEO Training](#)
- [ASIS Assets Protection Course: Principles of Security \(APC I\)](#)
- [SANS Mobile Device Security Summit 2012](#)
- [SANS Sec528 Beta 2012](#)
- [Aviation Week's Innovation Challenge Showcase](#)
- [Symantec Government Technology Summit](#)
- [STI at SANS 2012](#)
- [SANS 2012](#)
- [The 9th Two Day Conference On Indi Medical Devices & Plastics Disposable Industry 2012](#)
- [What's Next for Adobe ColdFusion: Discover ColdFusion Zeus and ColdFusion Builder 2.0.1](#)
- [Adobe Day for Local DC Systems Integrators](#)
- [SANS Northern Virginia 2012](#)
- [Enhanced Violence Assesemnt and Management](#)
- [Active Shooter](#)
- [SANS AppSec 2012](#)
- [2012 ASIS NYC Security Conference and Expo](#)
- [CSO Roundtable Fifth Annual Spring Conference](#)
- [SANS Cyber Guardian 2012](#)
- [Telework Exchange Spring 2012 Town Hall Meeting](#)
- [5th Sample Prep - Sample Preparation for Virus, Toxin, & Pathogen Detection & Identification](#)
- [TakeDownCon - Hacking Conference CEH Event](#)
- [ASIS Assets Protection Course: Practicle Applications \(APC II\)](#)
- [Crisis Management: Introduction to](#)

- [Plan Development with Guided Exercises](#)
 - [SANS Security West 2012](#)
 - [SANS Toronto 2012](#)
 - [SANS Secure Indonesia 2012](#)
 - [Counter Terror Expo US](#)
 - [Managing Your Physical Security Program: Collaborate and Manage Smarter](#)
 - [SANS Brisbane 2012](#)
 - [CEIC 2012 \(Computer and Enterprise Investigations Conference\)](#)
 - [Advanced Hands-On CAMEO Training](#)
 - [SANS Rocky Mountain 2012](#)
 - [SANS Malaysia 2012](#)
 - [Data Center Brainstorm 2012](#)
-

GSN: Government Security News, 4770 Sunrise Highway, Suite 105, Massapequa Park, NY 11762 Phone: 212-344-0759
All content copyright © 2011 World Business Media, LLC. All rights reserved.

[Privacy Policy](#) | [Legal Information](#)