



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Richie Howard  
President  
AngelTrax Bus Video  
9540 US Highway 84 West, Building 2  
Newton, AL 36352

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge AngelTrax Bus Video to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

As a result of this investigation, we issued three new recommendations, including one to the National Highway Traffic Safety Administration; one to the American Bus Association,

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Rodell Notbohm  
Chief Executive Officer  
Apollo Video Technology  
24000 35th Ave. SE  
Bothell, WA 98021

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Apollo Video Technology to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

As a result of this investigation, we issued three new recommendations, including one to the National Highway Traffic Safety Administration; one to the American Bus Association,

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Amin Ansari  
President and Chief Executive Officer  
Eye3Data, Inc.  
9624 Cincinnati Columbus Rd., Suite 310  
West Chester, OH 45241

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Eye3Data, Inc., to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Jack Su  
Chief Executive Officer  
Fortress Systems International Inc.  
3801 Rose Lake Dr.  
Charlotte, NC 28217

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Fortress Systems International Inc. to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Sean O'Neil  
Chief Executive Officer  
Idrive Inc.  
249 N. Turnpike Rd.  
Santa Barbara CA 93111

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Idrive Inc. to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman

cc:  
Curt Andrews



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Brandon Nixon  
President and Chief Executive Officer  
Lytx, Inc.  
9785 Towne Center Dr.  
San Diego, CA 92121

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Lytx, Inc., to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Ziv Aviram  
President and Chief Executive Officer  
MobilEye, Inc.  
99 Jericho Turnpike, Suite 203  
Jericho, NY 11753

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge MobilEye, Inc., to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Ted Wu  
Chief Executive Officer  
Planet Halo, Inc.  
1575 Spinnaker Dr.  
Ventura, CA 93001

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Planet Halo, Inc., to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Steve Peacock  
President and Chief Executive Officer  
Pro-Vision Video Systems  
8625-B Byron Commerce Dr. SW  
Byron Center, MI 49315

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Pro-Vision Video Systems to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

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Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Scott Hays  
President  
Radio Engineering Industries, Inc.  
6534 L St.  
Omaha, NE 68117

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Radio Engineering Industries, Inc., to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Sol Englander  
President  
Rosco Vision Systems  
90-21 144th Pl.  
Jamaica, NY 11435

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Rosco Vision Systems to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

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[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Bruce Smith  
President and Chief Executive Officer  
Safety Vision LLC  
6100 W. Sam Houston Pkwy. N.  
Houston, TX 77041

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Safety Vision LLC to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

As a result of this investigation, we issued three new recommendations, including one to the National Highway Traffic Safety Administration; one to the American Bus Association,

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Terry Akiyama  
President  
Seon Design Inc.  
3 Burbidge St., Unit 111  
Coquitlam, BC, Canada V3K 7B2

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge Seon Design Inc. to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

As a result of this investigation, we issued three new recommendations, including one to the National Highway Traffic Safety Administration; one to the American Bus Association,

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman

cc:  
Tom Gill



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Jason Palmer  
President  
SmartDrive Systems, Inc.  
9450 Carroll Park Dr.  
San Diego, CA 92121

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge SmartDrive Systems, Inc., to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

As a result of this investigation, we issued three new recommendations, including one to the National Highway Traffic Safety Administration; one to the American Bus Association,

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman

cc:  
Mark Freitas



# National Transportation Safety Board

Washington, DC 20594

## Safety Recommendation

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**Date:** April 29, 2015

**In reply refer to:** H-15-3

Mr. Rick Oram  
Director of Engineering  
247 Security Inc.  
4400 North Point Pkwy., Suite 158  
Alpharetta, GA 30022

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The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant accidents in other modes of transportation—railroad, highway, marine, and pipeline. The NTSB determines the probable cause of the accidents and issues safety recommendations aimed at preventing future accidents. In addition, the NTSB carries out special studies concerning transportation safety and coordinates the resources of the federal government and other organizations to provide assistance to victims and their family members affected by major transportation disasters. We are providing the following information to urge 247 Security Inc. to take action on the safety recommendation being issued in this letter.

On March 3, 2015, the NTSB adopted its safety report on *Commercial Vehicle Onboard Video Systems*.<sup>1</sup> We have investigated many highway accidents where onboard video systems recorded critical crash-related information. This report summarizes the documentation and analysis of onboard video systems from two crashes in particular. We also discuss the benefits of these systems and recommend specific improvements. In addition, we issued a safety alert on commercial vehicle onboard video systems and tips for improving their utility, and developed a drop-in article summarizing safety issues for use by the seven associations receiving a recommendation. The report and the resulting recommendations may be found at our website, [www.nts.gov](http://www.nts.gov), under report number NTSB/SR-15/01.

As a result of this investigation, we issued three new recommendations, including one to the National Highway Traffic Safety Administration; one to the American Bus Association,

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<sup>1</sup> See *Commercial Vehicle Onboard Video Systems*, Safety Report NTSB/SR-15/01 (Washington, DC: National Transportation Safety Board, 2015).

United Motorcoach Association, American Trucking Associations, American Public Transportation Association, National Association for Pupil Transportation, National Association of State Directors of Pupil Transportation Services, and National School Transportation Association; and the following recommendation to 15 manufacturers of onboard video systems:

H-15-3

Develop written guidance for the initial installation and long-term maintenance of onboard video systems, and publish that guidance on your websites and in future owner's manuals.

Acting Chairman HART and Members SUMWALT and WEENER concurred in this recommendation.

The NTSB is vitally interested in this recommendation because it is designed to prevent accidents and save lives. We would appreciate receiving a response from you within 90 days detailing the actions you have taken or intend to take to implement it. When replying, please refer to the safety recommendation by number. We encourage you to submit your response electronically to [correspondence@ntsb.gov](mailto:correspondence@ntsb.gov).

[Original Signed]

By: Christopher A. Hart,  
Chairman