

Pupil Transportation

Protecting our future with over
115 years of manufacturing
experience and engineering in
automotive vision safety.

www.roscovision.com

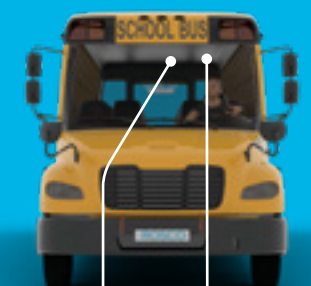


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From mirrors to AI-powered cameras, safety in pupil transportation is our #1 priority.



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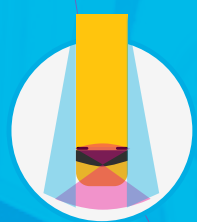
■ Digital Solutions



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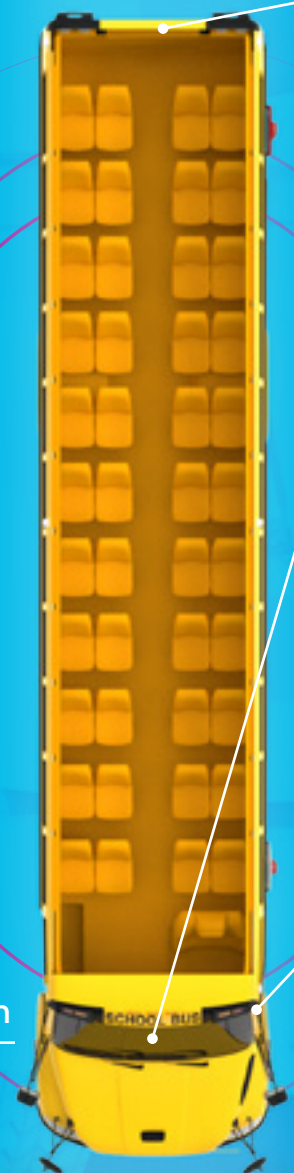
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Rearview Mirrors



Rosco rearview mirrors are designed with the driver in mind. Our products are made for all school bus types and we supply to all the largest school bus OEMs in North America.



AccuStyle®

The AccuStyle® mirror is designed with versatility and ease of installation in mind. Whether you're outfitting new school buses or retrofitting existing ones, this mirror is the perfect choice. With flexible mounting options and a removable clamp cover, the AccuStyle offers enhanced safety with easy installation.



Open-View®

The Open-View® mirror system features a dynamic two-head configuration, providing a unique "view" between flat and convex mirrors. This design caters to drivers who prefer a non-continuous image transition and offers adjustable forward sight lines around two separate mirrors.



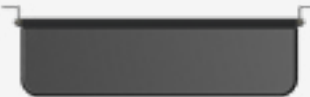
Sun Visors



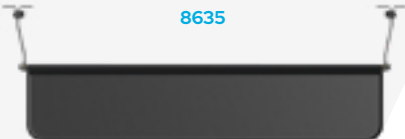
The Rosco heavy duty class of sun visors is designed to stand up to the demands of today's bus industry. Only the finest heavy duty materials are used. The vinyl padding resists scratching, tearing and fading. Our standard line of acrylic sun visors are suitable for use when a see through visor is needed. These visors are an economical alternative to our heavy duty, padded line.



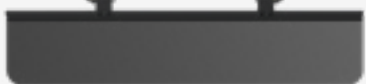
930 Series - Vinyl



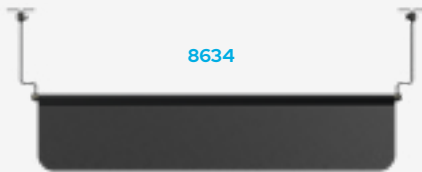
835 Series - Acrylic



8635



66-3060-7



8634



8678

Crossview Mirrors

Crossview mirrors are a crucial tool for bus operators to safely maneuver large vehicles in all environments and offer a view of the front danger zone. Rosco's crossview mirrors offer low profiles reducing forward blind spots while enhancing coverage around the front of the bus.

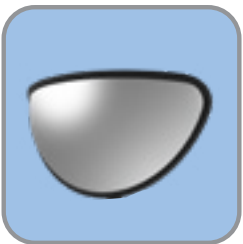


Eye-Max® LP



HD®

The HD's unique lens properties take "danger zone" imaging beyond what other crossview mirrors can achieve in terms of image size, focus and overall clarity.



Safety Cross®

Available in multiple options, these quadraspheric lenses diminish sun glare while showing an enhanced reflected image size.



Hawk-Eye®

With a unique oval shape, Hawk-Eye® crossview mirrors provide a complete picture of the front of your bus and the areas around it.



EYE-MAX® LED
& HD® LED

With front crossview mirror
downlighting LEDs, visibility is
increased in otherwise hard-to-see
locations during low light conditions.

SCAN FOR
THE LATEST
PART LIST AND
INSTRUCTIONS



NO ILLUMINATION



In low light conditions, the reflection in any mirror is difficult to see. An object or pedestrians in front of the bus may be almost invisible.



REFLECTION FROM DRIVER'S VIEW
WITHOUT ILLUMINATION
(HEADLIGHTS ON)

WITH ILLUMINATION



With the new LED under mounted lights, objects and pedestrians in front of the bus are clearly visible to the driver.



REFLECTION FROM DRIVER'S VIEW
WITH ILLUMINATION
(HEADLIGHTS ON)

The Difference
with LED Downlighting



KEY FEATURES

auto on when
door is triggered

⌚ 10 second
shut off delay

universal wiring
easy installation on all
vehicle types

replaceable
LED components

lower profile
reduces forward blind spots
and sun glare

asymmetric
mirror lens design
optimal field of vision (FOV)

Mounting Arms

Non-Detent Swivel Breakaway

Rosco's Non-Detent Swivel Arm Assembly is the industry standard. Its unique sandwich design provides unparalleled mirror assembly adjustment while being powerful enough to hold positions at highway speeds.



NON-DETENT SWIVEL ARM ASSEMBLY

ADJUSTABLE BY HAND YET POWERFUL ENOUGH TO HOLD POSITIONS AT HIGHWAY SPEEDS

Spring-Break® Detent

This line of mounting arms has a unique Spring Loaded Detent mechanism that dampens vibration and keeps the arm locked in position. Heavy-duty cast aluminum mount and swivel provide long lasting reliability and unequalled stability.



VARIETY OF MOUNTING BASES AND HOLE CONFIGURATIONS

MULTIPLE CUSTOM GROOVE LOCATIONS FOR VARIABLE DETENT ANGLES

HIDDEN INTERNAL SPRING DETENT MECHANISM

TUBULAR CONSTRUCTION FOR STRENGTH, CUSTOM LENGTH, AND HIDDEN WIRING.

Mirror Control Switches & Custom Wire Harnessing

A variety of switches, including heater controls and timers, are available to suit all requirements. Wire harnesses are available from stock or in custom lengths, with many different standard and weatherproof connectors.



HAR5020

Heater control switches available in toggle or momentary functionality with optional heater shut-off timer.



HAR5012 (H/R/LED) or HAR5013 (H/R)

Remote control knob style switches available with or without illumination.



SW11010 - VERTICAL



SW11011 - HORIZONTAL

Illuminated membrane switches with combination heater and remote control functions for up to four lenses.

Rosco's family of remote control/heater membrane switches consolidates the function of two "knob" style remote switches and a separate heater switch into a small solid state package with illumination, circuit protection and unmatched durability.

Proximity Sensors for School Buses



Digital driver display with intuitive visuals and adjustable volume—audible beep frequency increases as you get closer to obstacles.

Protect your assets!

Rosco's ultrasonic sensors are made for large commercial vehicles. Both the BSSK kits are made with drivers and fleets in mind. Whether you choose the BSSK4000 with roof sensors or the BSSK4006 with both front and back bumper sensors, our sensors are here to keep your fleet and equipment safe from incidents.

Rugged & adjustable ultrasonic sensors. IP67/IP65 certification ensures varelentless performance in any climate.

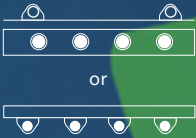


BSSK4000



HARDWIRED

Heavy duty ultrasonic system with 4 rear bumper mount sensors & 2 roof sensors.



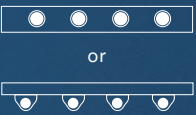
- (6) Sensors
- (2) Roof Mount Brackets
- (4) Undermount/Flushmount Brackets
- (1) Control Box
- (1) Display Panel

BSSK4006



HARDWIRED

Heavy duty ultrasonic system with 8 front and rear bumper mount sensors.



- (8) Sensors
- (8) Bumper Mounts
- (2) Control Box
- (1) Display Panel

Detects obstacles up to 13 ft away with 1-inch resolution, ensuring pinpoint precision during forward or reverse maneuvers.



BSSK4000

Sensors can be flush mounted directly to bumper or undermounted with included brtacket.



BSSK4006

Mirror / Monitor Combo



The MOR-Vision® mirror/monitor series from Rosco offers automated safety for school buses. No driver input is required, and the camera view is activated when the driver shifts the bus into reverse. School buses equipped with MOR-Vision® have options for multiple cameras & automatic monitor view changes based on the operational conditions of the bus.



Mirror/ Monitor Options Include:

STSM1030 / STSM1030HD (HD)

10" X 30" MIRROR
7" Color Monitor

STSM630X

6" X 30" MIRROR
10" Color Monitor

STSM630 / STSM630HD (HD)

6" X 30" MIRROR
7" Color Monitor

STSM530 / STSM530HD (HD)

6" X 16" MIRROR
7" Color Monitor

AI-Powered Backup Camera with Pedestrian and Object Detection

Elevate your safety with our AI-driven cameras that detect pedestrians and vehicles. These cameras provide visual & audio alerts to drivers when vehicles or pedestrians are detected in close range. Drive with confidence knowing that these new AI-powered cameras act as your co-pilot, ready to navigate the complexities of the road ahead.



MOR-Vision® 6" x 30" Backup Camera System with Color Camera

Safety is a priority in pupil transportation and reversing buses creates a potentially dangerous situation. The combination of limited visibility and the need to maneuver around students and other vehicles requires the best in safety technology.



Auxiliary Cameras



Universal Look Down Camera
150° FOV

STSC124 (analog)
STSC224 (HD)



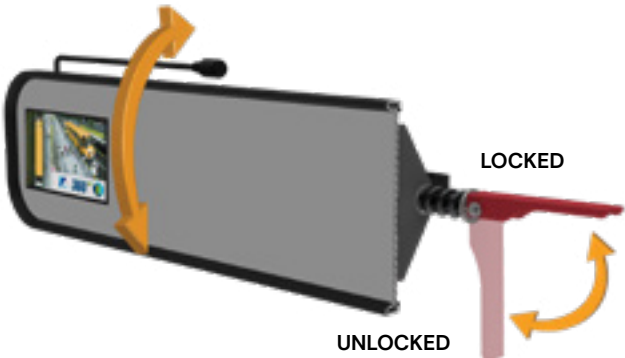
Rear Look Down or Side Mount Camera
Ultra Wide 170° FOV

STSC181 (analog)
STSC221 (HD)



Vision-assisted Variable Cadence Alert

The AI camera detects pedestrians and vehicles in real time, issuing audible alerts through the monitor's integrated speaker. The alert beeps increase in frequency as the detected person or vehicle gets closer and slow down as they get further away, providing immediate in-cab warnings to keep the driver informed and responsive.




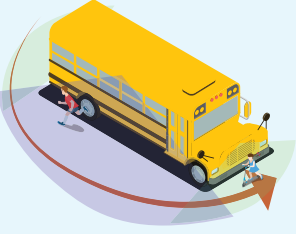

Optional LeverLock® add-on to MOR-Vision®




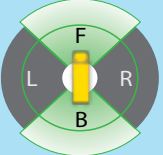
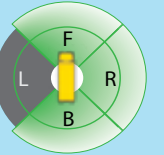
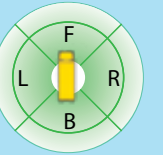



Add Rosco's patented LeverLock® to MOR-Vision® for effortless and tool free mirror adjustment by drivers. The Rosco LeverLock system utilizes a position lock that withstands the harshest vibrations and road environments.

STSM630LLB with Leverlock + 7" Monitor
6" X 30" MIRROR


Surround View Camera System

Series Cameras Deliver Coverage Of The Bus Where It's Needed Most.




SAFE-T-SCOPE® 180°	SAFE-T-SCOPE® 270°	SAFE-T-SCOPE® 360AHD
2 Cameras 	3 Cameras 	4 Cameras 
		
		
Each camera with 180° Field of Vision allows the driver to see in front and behind the bus	Each camera with 180° Field of Vision allows the driver to see in front, the right side loading area, and behind the bus	Each camera with 190° Field of Vision allows the driver to see everything around the bus

ALL KITS INCLUDE CAMERAS & HARNESSING ONLY. MONITORS MUST BE SELECTED SEPARATELY. MANY MONITOR OPTIONS ARE AVAILABLE, SUCH AS:



[STSM630 / 530]
[MOR-VISION® 6X30 MIRROR WITH 7" MONITOR]
* OTHER MONITOR OPTIONS AVAILABLE *

360AHD NOW INTEGRATES WITH DV6 VIDEO RECORDING



[DV660]
[DUAL-VISION® DV6 MULTI-CAMERA HD RECORDING WITH AI TECHNOLOGY]

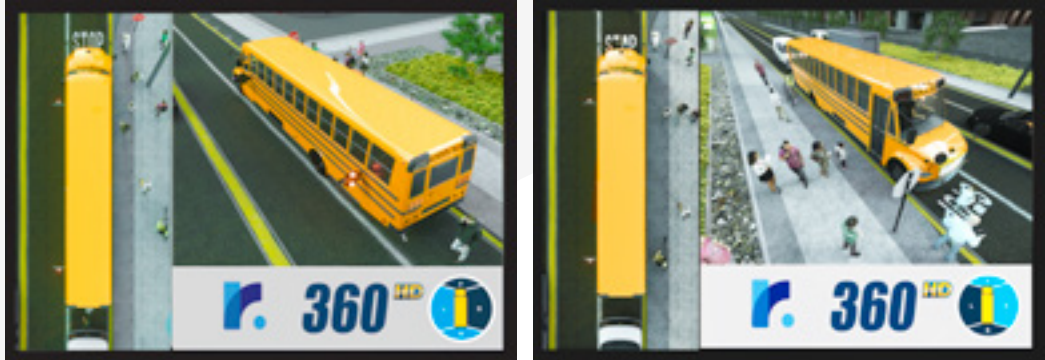
SAFE-T-SCOPE® 360HD



360° HD Surround View Camera System



Certified for OEM integration, the Safe-T-Scope® 360HD system uses four 192° cameras to deliver 3D views around the school bus. This advanced surround-view solution enhances driver visibility in all directions, covering critical blind zones to meet FMVSS 111 standards and improve safety where it matters most.



Features

Cameras	(4) 192° Field of View Cameras for optimal coverage around the vehicle.
Monitor	The Rosco monitor displays a high brightness image of the vehicle and the vehicle's blind spots.
Image Stitching	The image stitching capability of the Safe-T-Scope 360™ system provides a 3D HD 360° perimeter view around vehicle.
Image Views	The Safe-T-Scope 360HD™ allows for multiple views to enhance points of focus during vehicle operation. (ie: Vehicle rear in reverse)

Benefits

- + Meets the requirements of FMVSS 111 rear visibility standards.
- + Increase driver awareness.
- + Provide visual coverage of blind zones that are pertinent to large vehicles.
- + Reduce risk of collisions with Vulnerable Road users (VRUs).
- + Provide clear vision on sides of vehicles for narrow roadways.
- + Expanded side vision when reversing into a blind zone.

Models Available



	TYPE C	TYPE D
BB	STSK360303BC	STSK360303BD
TBB	STSK360303TC	STSK360303TD
IC	STSK360303NC	STSK360303ND

Continuous HD Video Recording

Dual-Vision®

Designed with security in mind, the next generation of Rosco's Dual-Vision® DV6 camera ensures confident driving. This compact camera employs smart security features to protect your drivers and fleet. It captures and processes full HD footage of both the driver and the road, offering local and cloud storage options. The DV6 generates in-cab alerts for drivers when risky behaviors are detected and provides valuable data for fleet managers to monitor safety trends over time. With AI-powered features, the DV6 continuously monitors driver behavior, detects seatbelt usage, and identifies smoking inside the vehicle. These advanced capabilities enhance safety by providing real-time alerts and valuable insights, ensuring a safer driving environment for everyone.

Features:

- Continuous video and event recorder:
 - Driver Monitoring System (DMS)
 - ADAS Collision Avoidance
 - Unsafe Driving Behavior
 - Speeding
 - Driver Event Button
 - Vehicle Idling
 - Camera Obstruction
 - Seatbelt
 - Smoking
- Comes with 128 GB Micro SD
- Up to 1.5 TB local storage
- Integrated CAN bus with built-in modem.
- Internal modem and antenna for minimal clutter under the dash.
- 2 cameras integrated into one housing for minimal obstructions.
- Tamper resistant security fasteners make DV6 the most secure dash cam.



DV6

PN: DV660
Comes with 128GB SD.
Up to 1 TB of local storage.

Specifications	
# Of Cameras	2 (expandable to 6)
Dimensions	5.08" x 2.41" x 4.01"
Camera Specifications	C1: 1080p, C2: 1080p
Camera Viewing Angles	C1: 116°Dia, C2: 116°Dia
G-Sensor	built-in 3-axis accelerometer
Audio	internal microphone for C2
GPS	Built-in GPS w/ antenna
Can Bus	yes
DMS AI Alerts	built-in
Parking Mode	yes
Driver Event Button	built-in
Speakers (Alerts)	yes
Adjustable Video Quality	yes
Adjustable Frame Rate	yes
Light Sensor & IR LEDs	yes
Modem	built-in
Local Storage	micro SD (up to 1.5 TB)
RoscoLive Connectivity	Required
ADAS	yes
Driver ID	QR-Code scan via DV6 front cam

Switching Router and Multiplexer

Extra cameras & views with the multiplexer

Add 4 additional camera views to your fleet with the STSS1200, the HD multiplexer. This product comes equipped with a wireless remote to switch views from single, split, tri and quad views.



Fleet Management

roscoLiVE®

REAL-TIME ACCESS TO YOUR FLEET

Event videos from the DV6 camera are available on RoscoLive in real-time via a 4G LTE connection. This feature is fully tested and certified by major carriers, including Verizon, AT&T, and T-Mobile.

THE POWER OF DATA & VIDEO

Experience the driver's perspective with powerful tools like trip replay. RoscoLive enables fleet managers and drivers to collaborate effectively, optimizing productivity and ensuring safety.

VALUABLE DATA & KNOWLEDGE

RoscoLive provides customizable datasets on events, drivers, vehicles, and more. This comprehensive data collection offers valuable insights to enhance fleet efficiency.



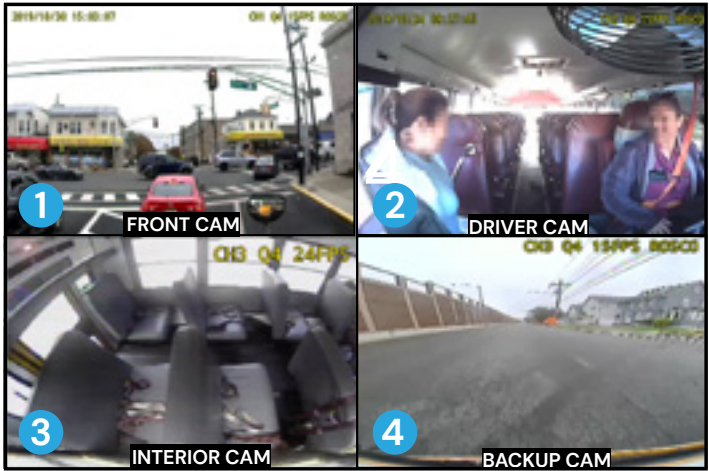
learn more

DMS FEATURES

The Driver Monitoring System (DMS) alerts drivers about phone use, drowsiness, distraction, and other risky behaviors. Fleet managers receive notifications with footage, allowing them to coach drivers and monitor future performance.

EFFORTLESS MAINTENANCE WITH OTA

RoscoLive offers over-the-air maintenance for easy hardware management. Remotely upgrade DV6 firmware and format your SD card without removing it from the device.



Collision Avoidance Technology



Integrating collision avoidance technology for the next level of safety

The Mobileye® Advanced Driver Assistance System (Single Cam Kit) and Shield+™ System (Multi-Cam Kit) are the most effective technologies for preventing collisions between vehicles and Vulnerable Road Users (VRUs) including pedestrians and cyclists.

VRUs often are not seen by the bus operator due to large blind spots around the vehicle, especially when making turns. Mobileye Collision Avoidance systems increase awareness and safety for the driver and VRUs around the bus to prevent collisions.



When a threat of a collision is high, Mobileye alerts give drivers the vital seconds needed to take corrective action.



FORWARD FACING COLLISION WARNINGS



+ Speed Limit Indication



+ Lane Departure Warning



+ Pedestrian and Cyclist Warning



+ Headway Monitoring & Event Warning



+ Urban Forward Collision Warning & Forward Collision Warning

Mobileye® Shield+ 4

TRIPLE CAM KIT

COLLISION AVOIDANCE W/ VRU SIDE SENSING CAPABILITIES



The Mobileye Shield+ is an advanced driver assistance system designed to enhance safety for both drivers and pedestrians. It provides real-time alerts for potential hazards, including pedestrians, cyclists, and other vehicles. The system's intelligent sensors and cameras continuously monitor the surroundings, ensuring a safer driving experience.



Student Guard+™

FISHEYE CAM KIT

COLLISION AVOIDANCE FOR SCHOOL BUSES



Student Guard+ for student protection is an advanced collision avoidance system specifically designed for school buses. The system utilizes Mobileye's Shield+ and Fisheye solutions to provide student detection in crucial danger zones around the school bus.



Mobileye® A.D.A.S.



SINGLE CAM KIT

GET IMPORTANT FORWARD FACING COLLISION ALERTS



Driven by safety – an AI-powered fleet safety solution. Prevent collisions, improve driver performance, and keep pupils safe. Act to prevent collisions with real-time alerts day or night. With Mobileye's latest technology, you get night detections, more accuracy, and greater range of detection.



MOBILEYE COVERAGE



MOBILEYE ADAS



STUDENT GUARD+



MOBILEYE® SHIELD+ 4

Collision avoidance features	Standard forward detection system	Right side, and forward detection system	Right, left side, and forward detection system
Lane Departure Warning	✓	✓	✓
Speed Limit Indication	✓	✓	✓
Forwards Pedestrian & Cyclist (VRU) Warning	✓	✓	✓
Headway Monitoring & Event Warning	✓	✓	✓
Forward Collision Warning	✓	✓	✓
Urban Forward Collision Warning	✓	✓	✓
VRU Detecting Side Sensors	-	service door side only	✓
Large Displays	-	✓	✓



D•CAMS

Digital Camera and Monitor System



LEARN MORE

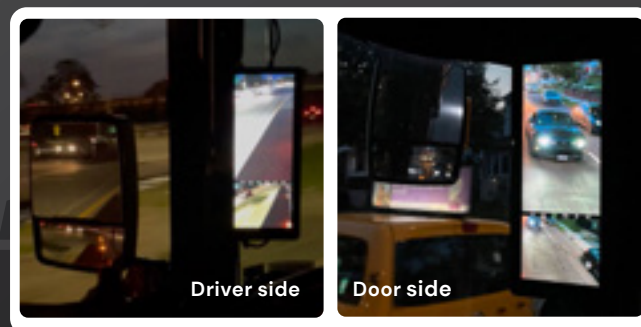


FLAT LENS
Class II FOV

CONVEX LENS
Class IV FOV

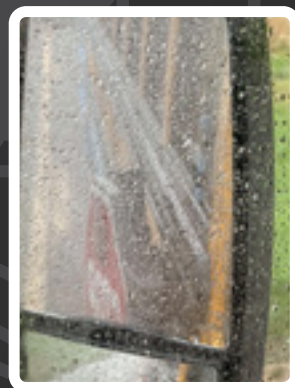


Low light conditions

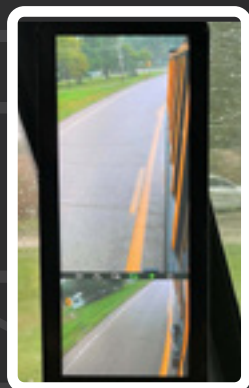


The new mirrorless camera system! Offering better visibility around the vehicle, the Rosco D•CAMS has been engineered to replace exterior rear vision mirrors on commercial vehicles.

The digital cameras cover views shown in both the flat lens and convex lens of rear view mirror.



traditional mirror view during rainy weather



highly improved visibility when using Rosco's DCAMS

- Wider and deeper Field-of-View (FOV)
- Smaller blind zones
- Better visibility and brighter images during the day and night
- Clearer images in all weather conditions
- Aerodynamic design offers fuel savings and efficient operations
- Small camera profiles and high mounting locations to lessen impacts with objects

rosco-dcams.com

D•CAMS

w/ Mobileye Shield+ Integration

P/N: DCVQ1000

Bringing together the power of e-Mirror innovation and collision avoidance technology.

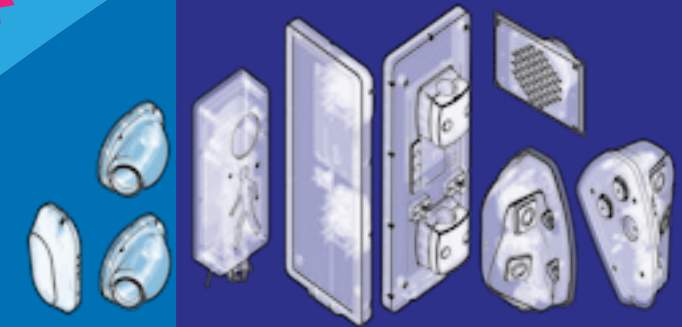


This enhancement empowers your D•CAMS with the advanced capabilities of Mobileye ADAS. Mobileye Shield+ utilizes three forward-facing sensors to provide a suite of intelligent safety features designed to help prevent unsafe driving situations. This solution integrates advanced functionality while complying with key regional regulatory standards.



mobileye

NEW



Mobileye Shield+ System Components

Exterior Vision Sensor Camera

- ✓ Concealed wiring
- ✓ Heated interior chamber
- ✓ IP67 Rated
- ✓ Exterior cameras withstand the rigors of harsh environments

Windshield Mounted Vision Sensor

- ✓ Automotive-grade chip performing trillions of operations per second
- ✓ Multi-core processing
- ✓ Platform for Mobileye's industry-leading algorithms for vehicle and pedestrian detection

Driver Pedestrian Alerts

- ✓ Pedestrian alert overlays on DCAMS monitors
- ✓ Piezo speaker system for intelligent audible alerts
- ✓ Universal mounting features



rosco
VISION

**Over 115 years of
automotive vision safety.**