RioV360

Skid Steer and Track Loader Fitment Guide

Find your machine, match the frame size, and order the right RioV360 kit.

UNIVERSAL FIT

One RioV360 Kit for Skid Steers and Track Loaders

RioV360 is a 4-camera AI pedestrian detection system that alerts the operator and people on foot before a collision. The same complete kit fits skid steers and compact track loaders of any brand, from sit-in mini loaders to large-frame machines running mulchers and cold planers. It runs on 8 to 32 V DC, mounts on the ROPS cage or cab roof, and needs no tags, software or subscription.



4 AI Cameras
1080p, 130° view, infrared night vision, IP69K. Full 360° coverage.

Detects People
Standing, crouching, kneeling or partly hidden, 0 to 5 m, alert in under 400 ms.

7 Inch Monitor
Live view with red, yellow and green zones set per camera.

120 dB Beacon
External voice alert and light so people on foot know to move.

Onboard Recording
Continuous video, 256GB card included, about 30 hours.

Fast Install
Complete kit with harness and hardware. Most teams finish in under 2 hours.

How to Use This Guide

1. Find your brand and model in the table below. Skid steers and track loaders with the same frame share the same layout.
2. Match the frame size to its power connection and accessories. Skid steers and track loaders run 12 V, so RioV360 connects directly.
3. Confirm the model and voltage on the machine data plate. Model ranges change by year and region.
4. Check the door and lift arms. Front-entry and side-entry doors, and radial or vertical lift arms, change where the monitor and cameras go.
5. Order the complete kit, plus any accessories listed for your frame size.

Power: 12 V and Electric Machines

- **Diesel machines:** 12 V system. Connect to a fused, key-switched 12 V circuit at the cab fuse panel and the constant 12 V line, as the user manual shows. No converter needed.
- **Battery-electric loaders:** never connect RioV360 to the traction battery. Tap the key-switched 12 V accessory circuit that runs the lights and display.
- **No low-voltage circuit:** add the RV360-DCC isolated DC-DC converter. Battery packs are isolated from the frame, so the converter must be isolated too.

RioV360 User Manual

Installation, settings and troubleshooting: **Download the RioV360 User Manual (PDF, v4.4)**.

Fitment by Frame Size

Frame size	Rated operating capacity	Power	Power / RioV360 connection	RioV360 Accessories	Notes
Ultra-Compact	Under about 1,000 lb	12 V	Direct: 12 V key-switched circuit	EXT, 512	Very little room in the cab. Mount the monitor on a ROPS post and keep cables inside the cage.
Small Frame	About 1,000 to 1,750 lb	12 V	Direct: 12 V key-switched circuit	EXT, 512, MAG	Landscaping, ag and rental. Rear camera on the rear door or the ROPS crossbar above it.
Medium Frame	About 1,750 to 2,500 lb	12 V	Direct: 12 V key-switched circuit	EXT, 512, MAG	The most common contractor and rental size.
Large Frame	Over about 2,500 lb	12 V	Direct: 12 V key-switched circuit	EXT, 512	Heavy attachment work. Mount cameras high, away from mulcher and planer debris.
Battery-Electric	Varies by model	High-voltage battery	Key-switched 12 V accessory circuit, or RV360-DCC	EXT, 512, DCC if needed	Never connect RioV360 to the traction battery.

Codes shortened from RV360-EXT, -512, -MAG and -DCC. Details on page 3.

Models by Brand and Frame Size

Brand	Ultra-Compact	Small Frame	Medium Frame	Large Frame
Bobcat	S70	S450, T450	S590, S64-2, S66-2, T595, T64-2, T66-2	S650, S76-2, S770, S86-2, T650, T76-2, T770, T86-2
Cat	Not listed	226D3, 239D3	232D3, 236D3, 242D3, 246D3, 249D3, 255, 259D3	250, 260, 262D3, 270, 270 XE, 272D3, 265, 275, 285, 289D3, 299D3
John Deere	Not listed	316, 317, 318	320, 324, 325	330, 334, 331, 333, 335
Case	Not listed	SR160B, SR175B, SV185B	SR210B, SR240B, TR270B	SR270B, SV280B, SV340B, TR310B, TR340B, TV370B, TV450B, TV620B
Kubota	Not listed	SVL50x	SSV65, SVL65-2, SVL75-3	SSV75, SVL97-3, SVL110-3
Takeuchi	Not listed	Not listed	TL6R, TL8R2	TL10V2, TL11R3, TL12R2, TL12V2
JCB	Not listed	Not listed	215, 215T, 2TS-7T Teleskid	270, 270T, 300, 300T, 3TS-8W, 3TS-8T Teleskid, 400T
New Holland	Not listed	L316	L318, L320, L321	L328, L334, C327, C332, C334, C337, C345, C362
Gehl	R105	R135, R165	R190, R220, RT175, RT210	R260, V270, V330, V335, V360, RT250, VT320, VT335
ASV	RT-25, RT-40	RT-50	RT-65, VT-75	VT-80, VT-100, RT-135

Older Skid Steers and Track Loaders

Brand	Older series	How to match
Bobcat	K-Series, M-Series and R-Series	S185 fits Medium Frame; S250, S300 and T300 fit Large Frame
Cat	B, C and D series	246C and 262C fit like the 246D3 and 262D3
John Deere	300 Series, D and G series	320G and 332G fit like the 320 and 330
Case	400 Series and Alpha Series	SR250, SV300 and TR320 fit Large Frame
New Holland	200 Series	L230 and C238 fit Large Frame
Gehl	E-Series and GEN:2	Match by rated operating capacity

Older machines fit by rated operating capacity. Find the capacity on the data plate or spec sheet and use the matching frame size. Not listed? Send the make and model and we will confirm the kit within one business day.

Camera / Beacon Layout

- **Rear:** on the rear door or the ROPS crossbar above it, aimed down at the reverse path. The rear is the biggest blind zone on a skid steer.
- **Sides:** high on the rear cab corners, aimed along the tires or tracks and above the lift arm path.
- **Front:** on the front edge of the cab roof, looking over the attachment.
- **Monitor:** on a ROPS post with the RV360-EXT kit, clear of the door swing and the seat bar.
- **Beacon:** on the cab roof at the rear, where ground crews can see and hear it.

Front-entry doors: keep all cables and the monitor off the door. JCB side-entry machines: keep the door side clear and mount the monitor on the boom side. Route cables away from the lift arm pivots. No tags for workers to wear: the AI cameras detect any person in the zone.

RioV360 Accessories

- **RV360-EXT:** Monitor Extension and Mounting Kit: rail clamp, round base, cab-frame bracket or T-attachment.
- **RV360-512:** Upgraded Storage: 512GB card for about 60 hours of continuous video.
- **RV360-MAG:** Magnetic Camera Mounts: no-drill mounting on the steel cab, ideal for trial positions (US shipments).
- **RV360-PWR:** Bench Test AC Power Adapter: run the system from a wall outlet and learn it on a table before install.
- **RV360-DCC:** Isolated DC-DC Converter: for battery-electric loaders with no low-voltage circuit. Priced on quote.

Common Questions

Does RioV360 fit Bobcat skid steers? Yes. From the S70 to the S86 and the T450 to the T86, Bobcat loaders run 12 V, which RioV360 uses directly. Find the model in the brand table for the frame size and accessories.

Does RioV360 fit compact track loaders? Yes. Track loaders share the cab and frame of the matching skid steer, so they use the same kit and camera layout.

Where does the monitor go on a front-entry skid steer? On a ROPS post with the RV360-EXT kit, clear of the door swing and the seat bar, so it never blocks getting in or out.

Will the lift arms block the cameras? Mount the side and front cameras high on the cab, above the lift arm path. Then the arms do not sweep across the lenses on radial or vertical lift machines.

Do workers need to wear tags? No. RioV360 uses AI cameras to detect any person in the zone, with nothing to wear or charge.

PILOT UNIT PROGRAM

Prove It on Your Skid Steer Before You Commit

$500 off

PILOT discount applies to all RioV360 units through December 31, 2026

Put RioV360 on your highest-risk skid steer or track loader and let your operators, supervisors and EHS team see it work in your own operation. No long trial agreements and no software to set up. Install it, run it, and decide.

1. **Pick the machine**
   Choose the skid steer with the most foot traffic or the worst rear blind spot.
2. **Order**
   Send the make, model and serial number. Pay by credit card.
3. **Ships fast**
   In-stock units ship from Arizona in 2 business days.
4. **Install**
   Most teams finish in under 2 hours with the user manual.
5. **Roll out**
   Use the same kit and layout across the rest of the fleet.

Included with the PILOT unit: 4 AI cameras, 7 inch monitor, 120 dB voice beacon, 256GB card, wiring harness, mounting hardware, user manual and 18-month warranty. Phone, email or Teams support for your installer.

Recommended PILOT Unit Accessories

RV360-512
Upgraded Storage
512GB high endurance card for about 60 hours of continuous video.

RV360-EXT
Monitor Extension and Mounting Kit
Rail clamp, round base, cab-frame bracket or T-attachment.

RV360-MAG
Magnetic Camera Mounting Kit
No-drill camera mounts to trial positions on the steel cab.

RV360-PWR
Bench Test AC Power Adapter
Run the system from a wall outlet and learn it on a table before install.

Order a PILOT unit: **+1 (520) 501-0602** | **info@riodatos.com**

Frame sizes, capacities and model lists are approximate and vary by year and region. Skid steer capacity is rated at 50% of tipping load and track loader capacity at 35%. Brand and model names are trademarks of their owners. RioDatos is not affiliated with or endorsed by any manufacturer listed. Model names are used only to identify compatible machines.