

TG-5 TeleGlide® Track System



EVS' fifth generation TeleGlide® robotic camera dolly the TG-5, offers superior performance due to built-in laser sensors, an improved servo drive system, important safety features and a more esthetically pleasing housing that can easily be used for recessed floor or ceiling applications. It's also the safest and most elegant camera trolley EVS has ever built.

Unlike any robotic camera track and trolley system on the market, the new TG-5 trolley can now be installed embedded into and flush with the floor, making it ideal to blend into innovative set designs without the track showing or causing safety issues.

In doing that, EVS has also leveraged a number of the safety features of its OmniGlide® Robotic Roving platform studio pedestal. There's laser scanners at the edge of each corner of the trolley so that if a person walks across the track, built-in x-y plane sensors will force the trolley to automatically stop. These AI sensors also help the trolley avoid collisions with set pieces.

The TG-5 features built-in LEDs that light up to indicate if there is a person or object in its path under normal operating conditions.

It also has additional safety features to detect failures in any of the components. For example, if the system senses a problem with a part of the trolley, it will automatically shut it down.

The trolley is also compatible with AR/VR systems and with the Studio View feature—a real-time graphical 3D reproduction of the studio environment the system is operating in—found in EVS' Choreon Studio (STS) software.

The TG-5 is backwards compatible with all existing Televator® elevating columns and S5 series robotic pan/tilt heads and can be operated on a curved or straight track system.



TG-5 TeleGlide® Track System

SPECIFICATIONS	
Track Dimensions	20.0" (508 mm) W x 6.8" (73 mm) H
Track Weight	11.5 lbs/ft
Track Min. Radius	6.5' (to Center Line)
Acceleration	1 ft/s ² (0.3 m/s ²)
Trolley Dimensions	35" (887mm) L x 25.7" (652 mm) W x 11" (282 mm) H
Trolley Velocity	.02 in/sec to 3ft/sec
Trolley Weight	70 lbs
Trolley Load	300 lbs
Servo	32 Bit Velocity and Positional Servo
Power Requirements	48V DC, 3A (6A peak)
Operating Temperature	0° C to 45° C (32° F to 113° F)

Specifications and features subject to change without notice

ORDERING INFORMATION	
MODEL NUMBER	DESCRIPTION
TG-5 Floor Bundle	Includes TeleGlide Floor-mounted trolley and accessories
TG-5 Ceiling Bundle	Includes TeleGlide Ceiling-mounted trolley and accessories
TG-5 Floor Track	Floor Track mount plus accessories. Available in custom lengths
TG-5 Ceiling Track	Ceiling Track mount plus accessories. Available in custom lengths
TG50-TRO-B	TeleGlide Trolley Battery Power
TGO-TRO-CA	TeleGlide Trolley Collision Avoidance

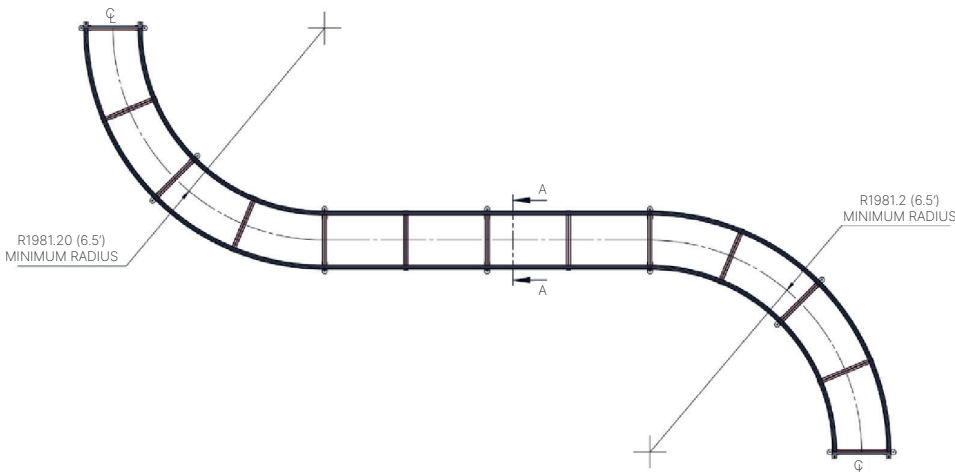
For Design Purposes: Cable management needs a parking area on a track that can not be used by the trolley. To calculate the distance required:

TG-ACT Cable Management System Floor: 2 ft per 10 ft of track is required

TG-CCT Cable Management System Ceiling: 1 ft per 10 ft of track is required

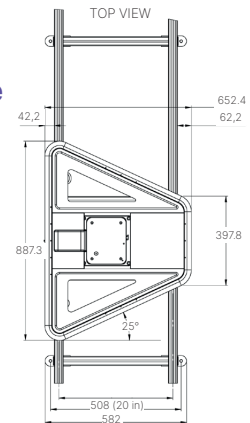
TG-5 Track Dimensions

Dimensions: [mm] in



TG5 Trolley Outline Dimensions- Floor Mounted

Dimensions: [mm] in



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EVS is globally recognized as the leader in live video technology for broadcast and new media productions. Our passion and purpose are to help our clients craft immersive stories that trigger the best return on emotion. Through a wide range of products and solutions, we help deliver the most gripping live sports images, buzzing entertainment shows and breaking news content to millions of viewers every day – and in real-time.