

Finesse Films
Presents

MARVIN

HIGH SPEED MOTION CONTROL

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Welcome to the world of the High Speed Cinematography like you've never been seen.

Marvin

Our Marvin is the next generation on High Speed Motion Control; he have the ability to change depths and parallax in matter of seconds, combined with high precision movements can achieve state of the art imagery for a new kind of filmmaking.



Every shooting, have a purpose

Marvin is a high-tech robot that can work with different kinds of shooting, giving film-makers endless option in creative levels that can give the production incomensurable values.

Marvin Control

Marvin® can repeat the same movement over and over again, and have a way to change on the fly any setting you need to make clever transitions, set extensions and imposible shots.

High Speed Cinematography

More fastest than the gravity, Marvin® can even follow a drop, so you can relax on what this guy can do, and focus on what you need, a perfect shot. With his high torque FIZ (focus, iris, zoom) remotes and six axis camera control.

Stop Motion Cinematography

One of the greatest field of exploration if the art of stop-motion, with Marvin we can elaborate complex shot, with camera movements and DragonFrame only the imagination is the limit.





Marvin Extensions

Because sometimes you need more, Marvin is ready to jump to a **10 meters long tracks** for spectacular takes. Also he can control turntables and any servo motors connected to his interface so **you can trigger every kind of gadgets** and prepare everything to nanoseconds.



Other Features

Target tracking

Auto-adjustment of pan and tilt to keep an object perfectly in frame.

The target can also be animated.

Simulation

Simulation of moves and shots to prepare and present shootings - without any robot connection.

Lens drive unit

Compact device to simultaneously control focus, zoom and iris during the robot movement.

Camera Shutter Sync

Interface for shutter sync of RED and Phantom cameras to utilize speed ramping as a creative tool.

Marvin

Technical Data



Marvin

Reach *1.90 m (6.2 feet)*

Repeatability *1.90 m (6.2 feet)*

Max. Speed *12.3 m/s (40.35 ft/s)*

Nominal Load *14 kg (30.86 lbs)*

Weight *250 kg (551 lbs)*

Reach *0.05 mm*

Flightcase / General

Power Supply

3-Phse 400-480V at 3kVA

3-Phase 200-230V at 3kV

Width x Lenght x Height

55 cm x 90 cm + 110 cm

(21.7 inch x 35.5 inch x 43.3 inch)

Weight

60 kg (132.2 lbs)

Marvin Pedestal

Width x Lenght x Height *120 cm x 81.5 cm + 70 cm*

Weight *300 kg (661.4 lbs)*

Flightcase / Camerobot Control PC

Power Supply

Single phase 110 VAC - 230 VAC

Redundancy

Redundant power supply

RAID-system

Network adapter (teaming)

Optional UPS (uninterrupted power supply)

Camera Interfaces

Direct TCP/IP control on Phantom Flex

Direct TCP/IP control on Red Epic

HD-SDI image grab

Flightcase / Event Control Unit

Interfaces

4 inputs

7 outputs (4 x 24 VDC + 3 x Realy)

1 hardware camera trigger

2 stepper motor connections

Marvin Arm / RX160L

Max. Reach

1900 mm

74.8 inch

Nominal Payload

14 kg

30.9 lbs

Max. Speed

12.3 m/s

40.4 ft/s

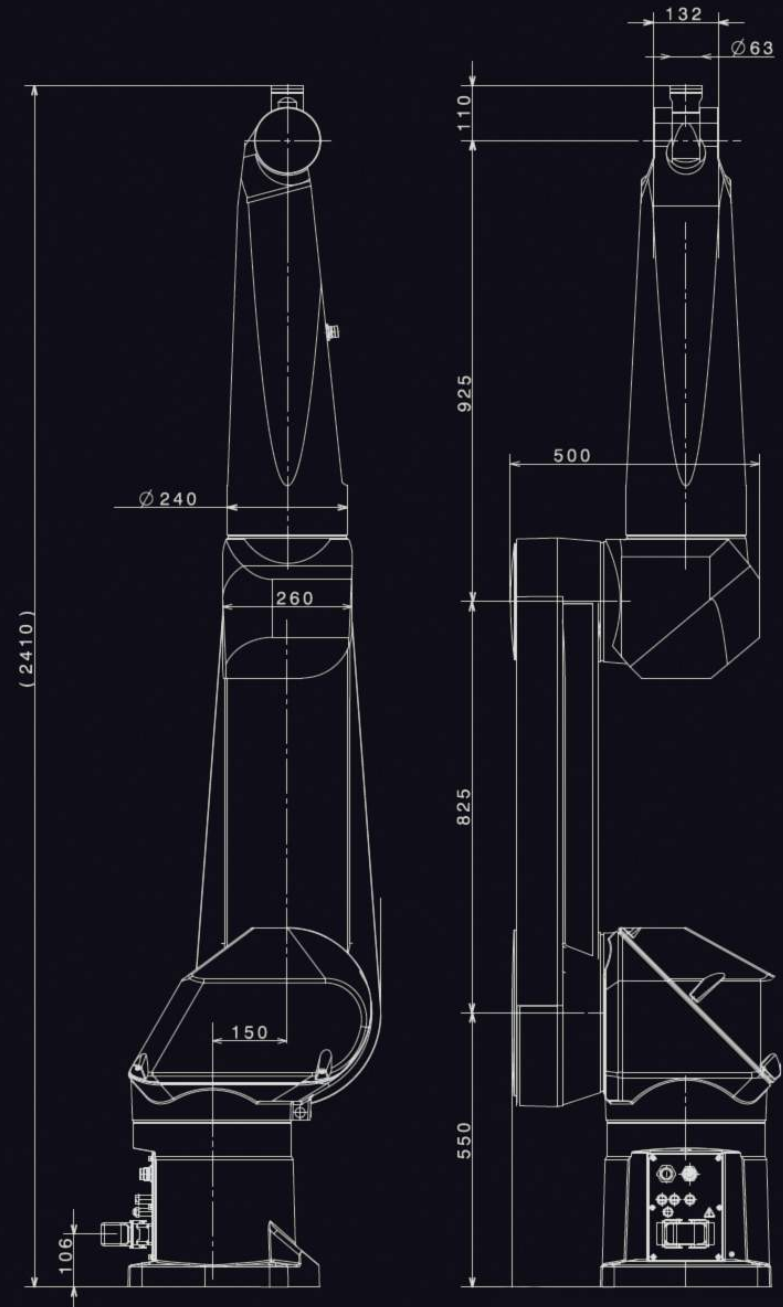
Repeatability

0.05 mm

Arm weight

250 kg

551.2 lbs



Lineal Track

Track length

Total length is customer-defined

Height

43.20 cm

17.00 inch

Height (with spacer)

63.20 cm

24.88 inch

Width (feet only)

60.00 cm

23.62 inch

Track Speed

3.00 m/s cm

9.84 ft/s

Flightcase for Track

Total length

90.00 cm

35.43 inch

Width

55.00 cm

21.65 inch

Height (with spacer)

63.20 cm

24.88 inch

Height

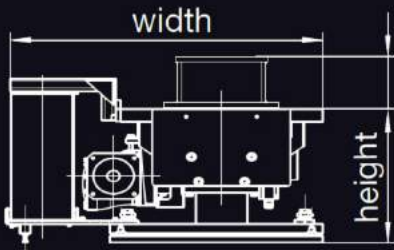
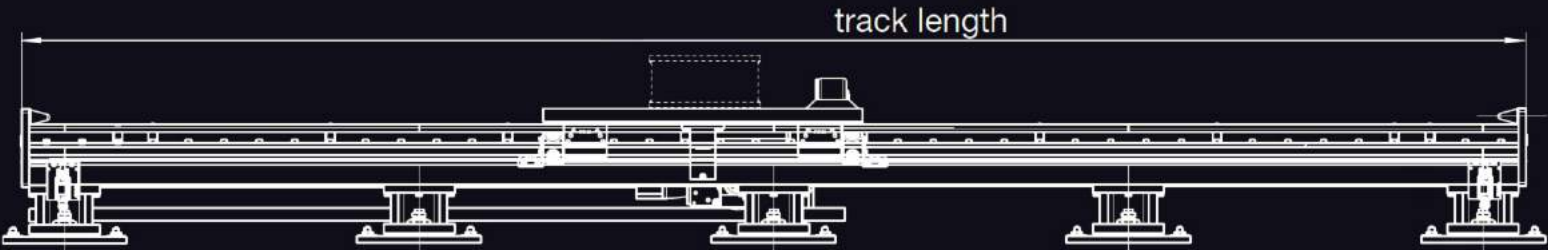
110.00 cm

43.31 inch

Total weight

85 kg

188 lbs



FAQ

How long does it takes to make Marvin to work?

It depends of the setup. Usually 45 min, from the start of the shooting, this means setting camera and framing. With track can take up to 4 hours, depending of the set and necessities of the shot.

Which Cameras can be load in Marvin?

Marvin can shoot with any digital cinema camera, our preferred Alexa Mini, RED, Phantom and also 5D for stop motions too!

And Lenses?

Any lens, preferably not a long zoom. Depending on what do you need and speeds we can use zoom lenses for special shots or dolly zooms.

Can Marvin work on exteriors?

Yes, on a stable field. This mean you can take out this guy wherever you want as long you have power and solid ground to operated.

Can Marvin travel?

Yes; by truck, ship and airplane. All you need to tell us is where do you want it and when.

**Be sure to rent a truck with elevator platform > 1 tone and 3 meters length.*

How much is the weight is to big?

-Marvin 700 Kg

-Fligthcase 60 Kg

-Tracks 3m with motor 800 Kg

3m 400 Kg

4m 700 Kg

-Tracks Fligthcase 85 Kg

Which current connection is necessary?

Marvin 16 amp three-phase connection + 1kw minimum.

Tracks 32 amp three-phase connection + 2kw minimum.

How fast is Marvin?

Its really fast, also dependes of the type of movement and lenght, can go up to 12m/s and in tracks can go from 1 to 3 meters in a second.

How many technicians need Marvin to work?

With tracks we need 3 technicians to put this thing on motion because of the large of the tracks and milimetric precision with need, but if you need to operate Marvin alone, you only need one technician who can operate the Phantom and Marvin at the same time.

How many time takes to program a movement?

Depends of the movements, some are 1hour, 30 minutes or just 10 minutes depending difficulty. But we have presets movements for table tops shoots to speed up our workflow. However we do recommend you to save up to 4 hours in the pre lighting day to set the robot.

Can we export-import movements to Marvin?

In which programs?

Yes, both are posible. The file extension is .fbx, this is an Autodesk file so we can connect to autodesk software and manipulate the movement and simulate real camera movements too from previous recorded material.

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Contact

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