

BLACKBOT

ROBOTIC FILMING

**Motion-control and Tabletop factory
for dreams based in Prague.**

*Cinematic robotic arm, Turntables,
pneumatic cylinders, 3 studio sizes
with full palette of lights.*



Our motion-control robots can be used to precisely control camera movements and connected accessories. The camera can be safely, precisely and repeatedly moved through a set of virtual points in the motion-control program. This ability enables you to multiply or mask and remove various objects in the scene and track the scenes in 3D. We are able to synchronise multiple peripherals such as focus control unit, turntables, pistons, lights, music and other SFX accessories.



www.blackbot.cz
[@blackbot.cz](https://www.instagram.com/blackbot.cz)



KR 20 CAMERA BOT

Maximum lense height 3 501 mm

350° / 0,55 s
Range of last axis

Electricity conection
32A / 5P / 400W

Camera assembly in sec.
ARRI standart dovetail

Lightweight materials
Easy movement around the set

Longest horizontal
camera move 5 800 mm

Max. reach from center 3 101 mm



Max. payload
20 Kg



Max speed
9,7 m/s

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Sync periphery

Synchronized motion with external triggers and model movers

- Lens control
- Sync led/laser
- Music
- Turntables
- Pneumatic cylinders
- Magnetic throw
- Pyrotechnics



Timecode, lighting

Trigger from timecode
Control DMX Lighting



Repeatable

Every camera move under complete control
– precisely repeatable including peripherals



Maya integration

Possibility to take movements planned in Maya and send them into the robotic unit or any other auxiliary periphery

Technical data

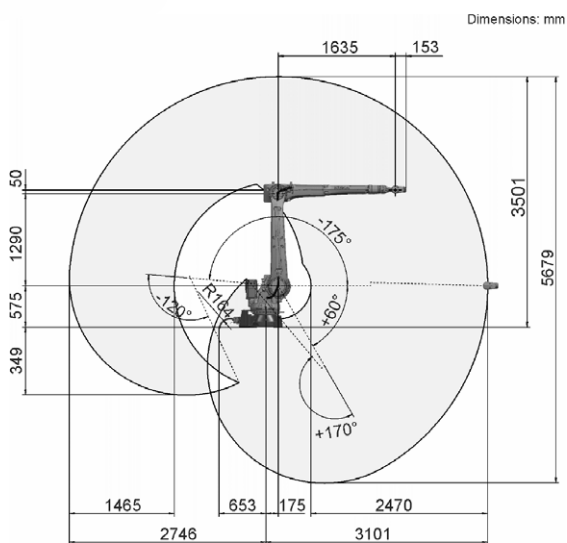
Maximum height	3501 mm
Maximum horizontal reach	3101 mm
Longest horizontal camera move	5800 mm
Rated Payload	20 kg
Maximum Payload	23 kg
Repeatability	(ISO 9283) ± 0.05 mm
Minimal footprint	125 x 125 cm
Footprint with stabilization legs	250 x 250 cm
Minimal height of ceiling	260 cm
Transport footprint	300 x 125 cm

Transport

Weight	700 kg
Minimal passage	(W x H) 150 x 180 cm
Barrier-free access on location	
Operating temperature	0-55 °C

Power

Plug type	32A/5P/400V
Circuit breaker	20A
Recommended generator power	10kW or higher

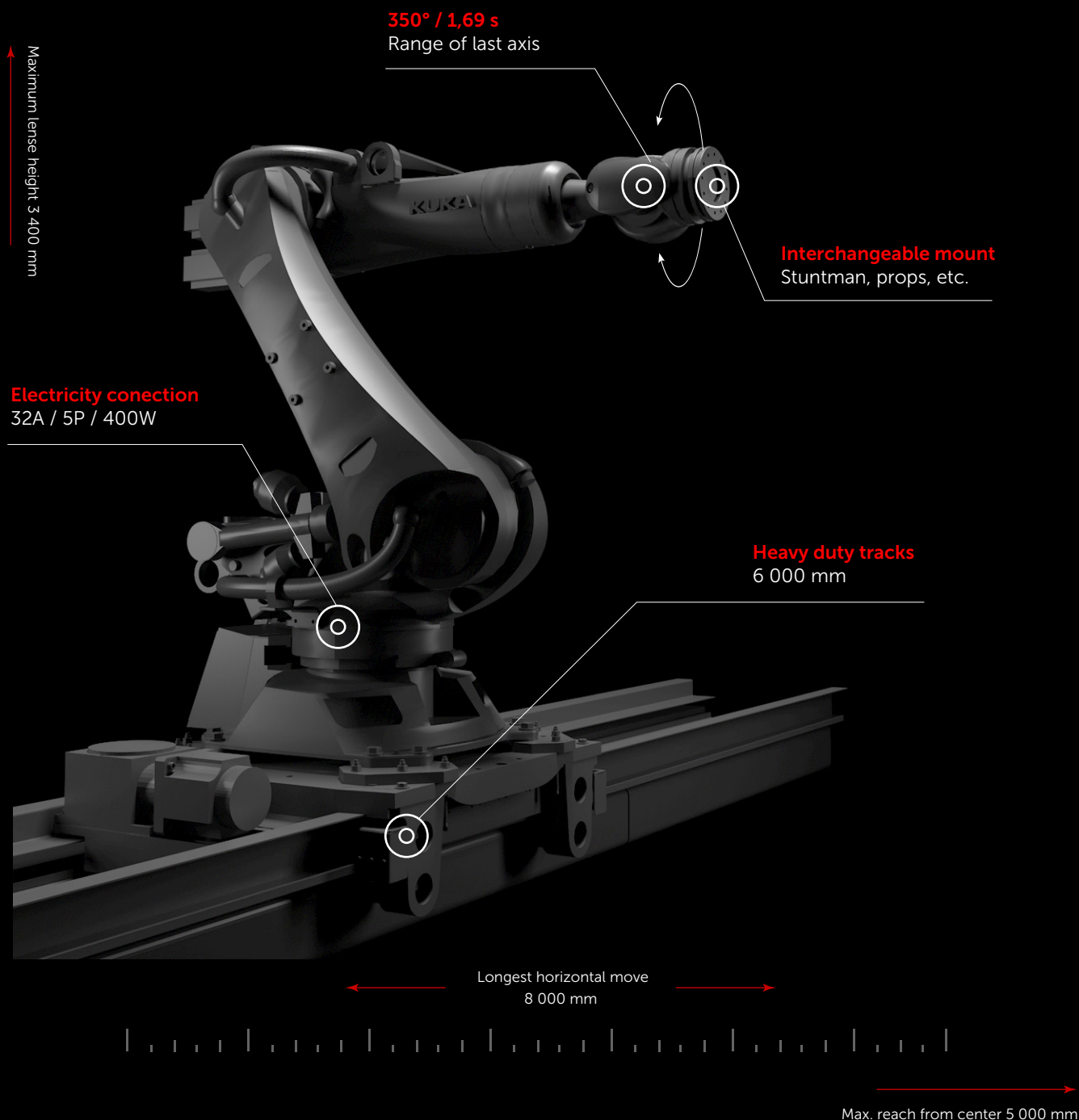


Axis Data

Motion Range Speed payload 20kg

A1	± 185°	180°/s
A2	- 175° / 60°	165°/s
A3	- 120° / 170°	160°/s
A4	± 350°	360°/s
A5	± 130°	360°/s
A6	± 350°	630°/s

KR 240 STUNT BOT



Max. payload
240 Kg



Max speed
2 m/s

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Sync periphery

Synchronized motion with external triggers and model movers

- Lens control
- Sync led/laser
- Music
- Turntables
- Pneumatic cylinders
- Magnetic throw
- Pyrotechnics



Timecode, lighting

Trigger from timecode
Control DMX Lighting



Repeatable

Every camera move under complete control
– precisely repeatable
including peripherals



Maya integration

Possibility to take movements planned in Maya and send them into the robotic unit or any other auxiliary periphery

Technical data

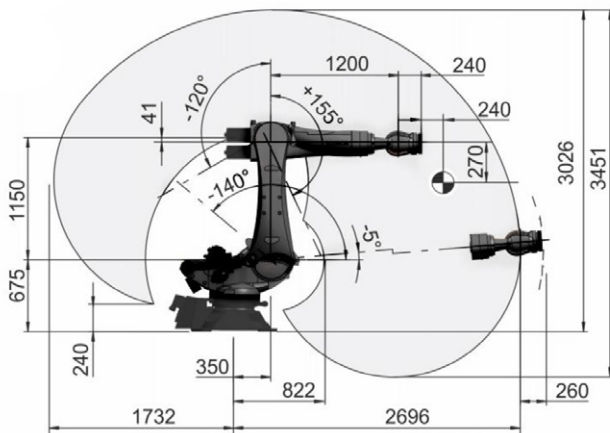
Maximum height	3026 mm
Maximum horizontal reach	2700 mm
Longest horizontal camera move	5000mm
Rated Payload	240 kg
Maximum Payload	290 kg
Track length	10m
Repeatability	(ISO 9283) ± 0.05 mm
Minimal footprint	125 x 125 cm
Footprint with stabilization legs	250 x 250 cm
Minimal height of ceiling	260 cm
Transport footprint	300 x 125 cm

Transport

Robot Weight	1111Kg
Tracks Weight	4000Kg
Minimal passage	(W x H) 150 x 180 cm
Barrier-free access on location	
Operating temperature	0-55 °C

Power

Plug type	32A/5P/400V
Circuit breaker	20A
Recommended generator power	10kW or higher



Axis Data

Motion	Range	Speed	payload
A1	± 185°	105°/s	240kg
A2	- 140° / - 5°	107°/s	
A3	- 120° / 155°	107°/s	
A4	± 350°	136°/s	
A5	± 122,5°	129°/s	
A6	± 350°	206°/s	

Possibility to mount various devices: Stuntman, motorbike, truss construction, lights, props, etc...

<https://vimeo.com/631862650>

<https://vimeo.com/645390631>

