



Cable-free

Rotation

360°

Horizontal Rotation

Customisable

Rotation Speed

IP67

Ingress Protection

Resistant

For harsh environments

Flexible

Installation



Industrial Design

Tested for shocks and vibrations for crane standards, IP67 certified and built out of seawater-resistant materials, RT360 is Triple-IN's rotation platform designed to be tough and accurate even in the roughest environments for outdoor automation.



Flexible Application

The best companion for Triple-IN's LiDARs. Starting from application requirements, Triple-IN's team supports the customisation of 3D systems, working out the combination of 2D LiDARs and accessories most suitable for each project.

Technical Features

RT360

		RT360
DATA SPECIFICATIONS	WORKING RANGE	
	Horizontal rotation range (degrees)	-180 to +180
	Horizontal resolution (degrees)	0.011
	ROTATION SPEED	
	Minimum speed (degrees/sec)	0.09
	Maximum speed (degrees/sec)	45
	PREDEFINED ROTATION MODES	
	Fast at 60 kHz prf (degrees/sec)	10.8
	Normal at 60 kHz prf (degrees/sec)	2.7
	Fine at 60 kHz prf (degrees/sec)	0.165
	POWER SUPPLY	
	Rotary Table power	24 V DC - 0.5 A
	Extra power line	Max. 24 V DC - 1.5 A
	COMMUNICATION	
Network interface	Ethernet 100 Mbit/s	
Communication protocol	Binary Command Interface via UDP/IP	
ENVIRONMENTAL TESTS	VIBRATION RESISTANCE according to DIN EN 60721-3-2:1998 class 2M3 and DIN EN 60068-2-6:2008	
	Sinusoidal (8 – 200 Hz) (g)	2
	Sinusoidal (200 – 500 Hz) (g)	4
	Random (13 – 2000 Hz) (g)	5
	SHOCK RESISTANCE according to DIN EN 60721-3-2:1998 class 2M3 and DIN EN 60068-2-6:2008	
	Amplitude (g)	30
Shock duration (ms)	11	
Number of impulses	10 per axis	
ENCLOSURE	Ingress Protection rating as per DIN EN 60529:2014-09	IP67
	Operating temperature range (°C)	-10 to +50
	Storage temperature range (°C)	-30 to +80
	Casing	Aluminum die casting, seawater resistant
DESIGN	Height x Width x Length (mm)	156 x 188 x 187
	Weight (kg)	< 6.5

Models and Accessories

RT360

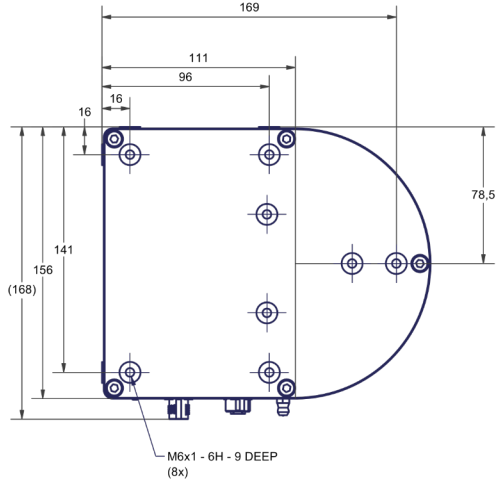
	Article No.	Description
RT360 MODELS	DV-RT36-XXX1-03	RT360 with mounting plate for VMS without blower
	DV-RT36-XXX4-03	RT360 with mounting plate for VMS with blower
	DV-RT36-XXX3-03	RT360 for SLP and 45°-holder
	DV-RT36-XXX5-03	RT360 for SLP with long connection cables
	DV-RT36-XXX6-03	RT360 for Swiveling System
	ACCESSORIES	AC-CB2X-XD2C-00
AC-CBXX-XB1C-00		Data cable 8 pin Ethernet with POE support, 5 m
AC-HDXX-XG1X-01		Sensor holder, 90°-tilted, centered
AC-HDXX-XAXX-01		Sensor holder, Sensor FOV 90°-180° (45°-tilted)
AC-HDXX-XF1X-01		Sensor holder for Swiveling System
AC-INXX-XB2X-01		Inclinometer with stainless-steel connector, power cable and base plate
OP-ASXX-XAX4-00		System Assembly and Calibration for SLP on RT

Note: Cables are available in various lengths. Contact us for further information.

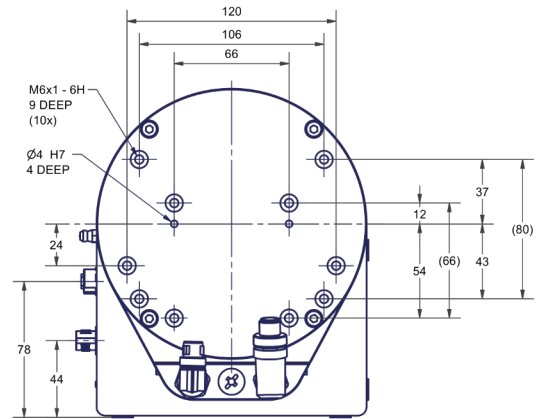
Outline Drawing

RT360

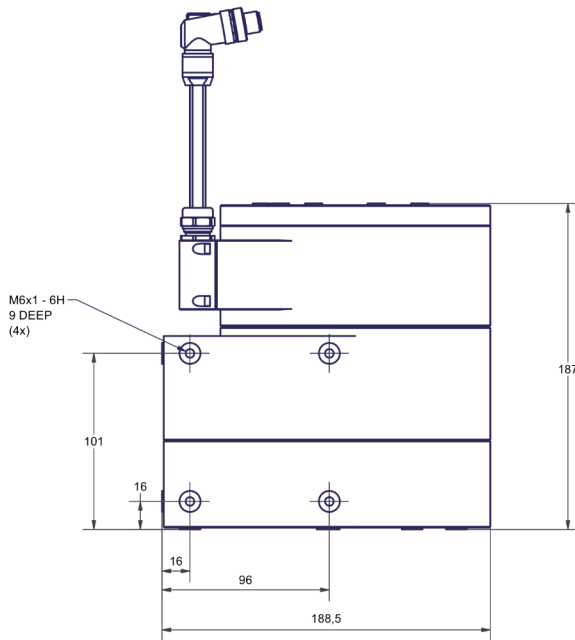
View from underneath



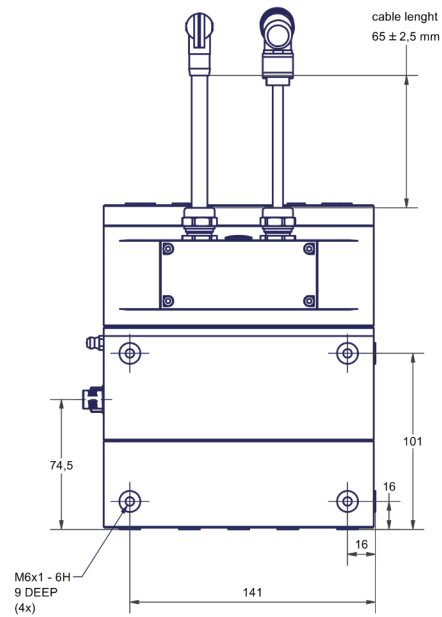
View from the top



View from the right



View from the rear



Triple-IN
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