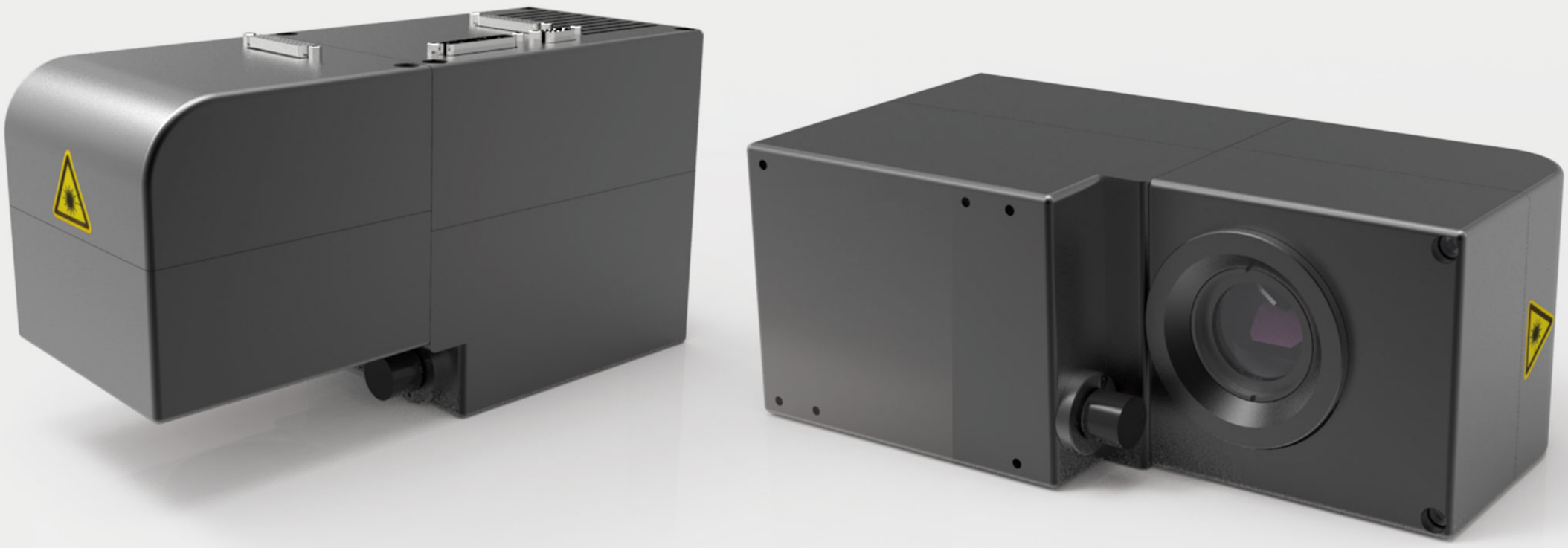
G10

FEELTEK®
菲镭泰克

3D Serial



PRODUCT CHARACTERISTICS

· Standard XY2-100 protocol.

· Support wavelength: 532nm.

· CNC shell,dust prevention,compact structure,easy to integrate.

· Double driving Z axis dynamic focus module design,reponse frequency≥100HZ@±10°,easy to achieve Z depth150mm@300mmx300mm,applied to platform,3D surface high speed processing.

· It can be used in kinds of moving line, visual positioning, deep-carving, step marking and other production line applications.

· The P2 version adopts the digital pulse width modulation driving technology,owns higher response speed and lower temperature drift.

APPLICATIONS

Large field marking,Engraving,Scribing,Texture,Surface Treatment,3D Marking PCB Marking

VERSION

Pro、P2

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General specification

Power Supply	Input Voltage(VAC)	170~264
	Output Voltage(VDC)	±15
	Current(A)	5A (2sets)

Control Card

Output Interface	XY2-100 Protocal
Input Interface	Data Communication Interface
Laser Type	Green

Environmental Requirement

Ambient temperature(°)	25±10
Storage temperature(°)	-10~+60
Humidity	≤75% non condensing

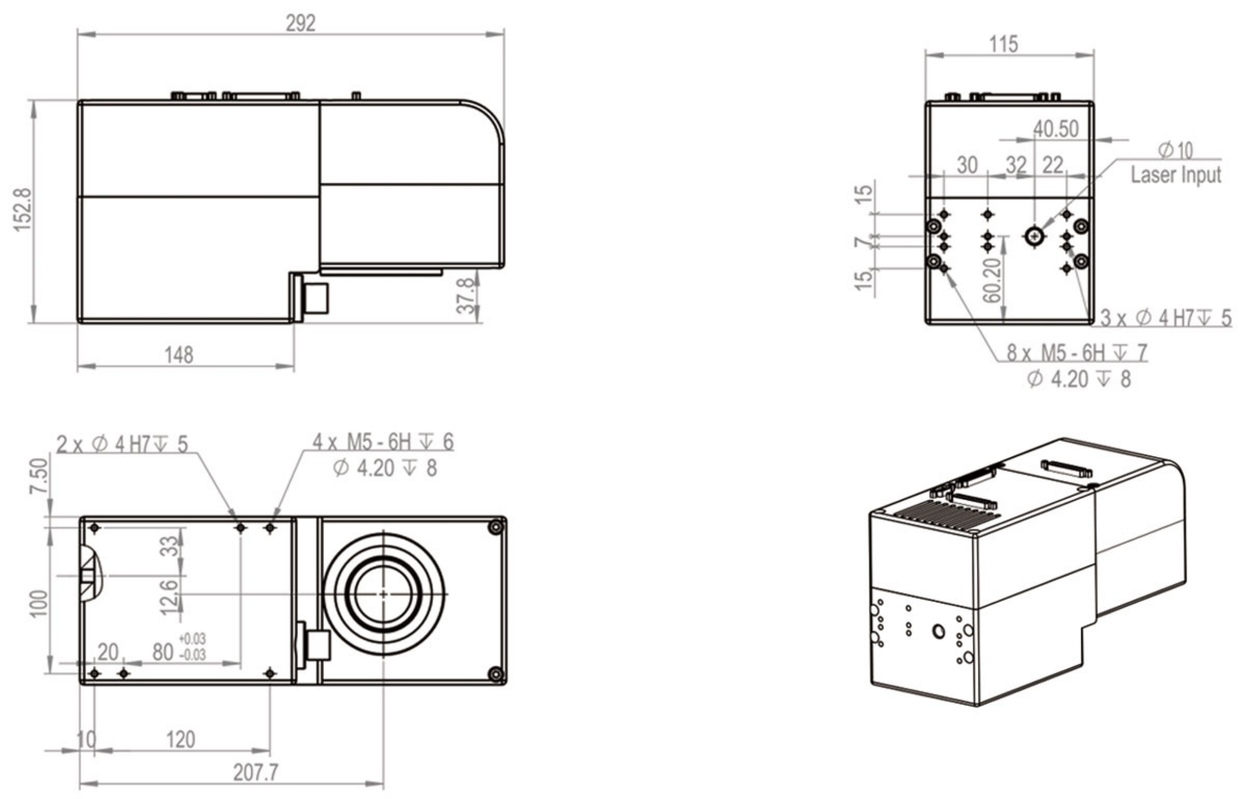
Galvanometer Specifications

Version	Pro	P2
Scan Angle(°)	±10	
Repeatability(μrad)	8	5
Max.Gain Drift(ppm/K)	100	50
Max.Offset Drift(μrad/K)	30	15
Long-term drift over 8h(mrad)	≤0.5	≤ 0.1
Max.processing speed(characters/s)	600@100×100	
Tracking Error(ms)	≤0.18	

Optical Specifications

Aperture Size(mm)	Φ10mm
Input beam diameter(mm)	6.5mm

Working Filed & Spot Diameter

Working Field(mm)	125×125×40	200×200×120	300×300×150	400×400×150	500×500×150	600×600×150
Focal length(mm)	144	234	354	474	594	714
The Min.Spot Diameter @1/e^2 (mm)	0.015	0.023	0.031	0.040	0.0496	0.059

Mechanical Drawing