

Modular Tracking Device For FSO Laser Links



Features

- Improves wireless communication up to 1500m
- Can be ordered for previously installed FSO links as well
- Auto tracking system $\pm 3^\circ$ circular compensation
- Can hold 100Mbps as well as Gigabit FSO links
- Rugged design for harsh wireless environment communication

Electrical characteristics

Power Supply	PoE (802.3at, 802.3af)
Power consumption	7 Watts
Management	Integrated into the MGM of laser head (Web, SNMP) (also can be used and installed without MGM)
User interface	LCD

Physical characteristics

Housing	Aluminium alloy
Weight	8 kg *
Dimensions	240 x 190 x 175mm *

Tracking characteristics

Sensor type	CMOS
Wavelength	785 nm
Field of view of sensor (V/H)	$\pm 8.2/11$ mrad ($\pm 0.47/0.63^\circ$)
Compensation method	Mechanical
Vertical / Horizontal compensation range	$\pm 3/10^\circ$
Compensation accuracy	0.1 mrad

Environment

Operating temperature	-40 to +60 °C
Storage temperature	-60 to +80 °C
Humidity	95% non condensed
Protection rating	IP65

Order Information

Product Code	Description
PXATNEXT1000	Modular tracking device for FSO laser links, works on 100-1500m distance, can hold laser heads up to PXW650G (Gigabit) and PX1800FT (100Mb).

Redefining wireless

* values / end

