

T30P

TRUSENSE™ FLASH LIDAR SENSOR



PreAct
TECHNOLOGIES



TIME-OF-FLIGHT IMAGING

Illumination	940nm IREDS; 4700mW/sr max radiant intensity
Viewing Angle (H x V)	108° x 77°
Sensor	Espros EPC660
Resolution (H x V)	320 x 240 (77k)px (max)
Full 3D Framerate	125 fps (max)
Range	0.1 m - 20 m @ 10% reflectivity
Resolution	0.34° x 0.34°
Depth Accuracy	< 2% error
Max Ambient Light	190k Lux

SYSTEM

Interface 1: USB-C	USB 3.2 Gen 1 (Data and Power)
Interface 2: Molex Mini-50, 16-pin	1000BASE-T1 CAN 4 x GPIO Power
Additional Features	6-DOF IMU Extensive self-diagnostics IEEE 1588
Power Consumption	6 Watts - 42 Watts based on software selectable illumination and frame rate

RGB IMAGING

RGB Resolution	8 MP
Viewing Angle (H x V)	136° x 102°
Maximum Image Transfer Rate	3280 x 2464 @ 21fps

MECHANICAL

Dimensions (Width x Height x Depth)	110mm x 45mm x 30mm
Mass	250 grams
Environmental	IP65
Ambient Operational Temperatures	-20° C to 60° C
Mounting Interface	Two M4 x 0.7 x 4mm threaded holes Includes bracket with 1/4"-20 mount

SUPPORT

Software	<ul style="list-style-type: none"> ROS, MATLAB, Visual Studio (Jan. '23) Built in web server for data acquisition, configuration, and visualization
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