

User Manual

Racurs Company, Moscow, <https://racurs.ru>

Copyright © 2025 Racurs Company

Help sections and their correspondence to PHOTOMOD 8.1 system modules

User Manual	File name	Short description	PHOTOMOD module or program
General information	general.pdf	Software and hardware requirements Tools for work in stereo Installation of <i>PHOTOMOD</i> system GUI and Main system windows Creating resources system and management of profiles PHOTOMOD Raster Converter Pan-sharpening operation Distributed Processing Format and path of project files	<i>Core</i> <i>System Monitor</i> <i>Control Panel</i> <i>Explorer</i> <i>Raster Converter</i> <i>ParProc</i>
Creating project	project.pdf	Project creation: <ul style="list-style-type: none">• type of project• coordinate System• data placement Block creation: <ul style="list-style-type: none">• converting images• loading images• images settings Project management	<i>Core</i> <i>ImageWizard</i>
Block adjustment	solver.pdf	Adjustment of central projection image blocks Adjustment of scanner blocks	<i>SolverA</i> <i>SolverS</i>

User Manual	File name	Short description	PHOTOMOD module or program
Aerial triangulation	measurement.pdf	Entering camera data Performing interior orientation Input / measurement of GCPs Performing relative orientation Import / Export of: <ul style="list-style-type: none"> • triangulation points • elements of exterior orientation 	<i>AT</i> <i>Camera editor</i>
Vectorization	vectorization.pdf	Vector objects processing	<i>StereoDraw</i>
DTM Generation	DEM.pdf	Preparation of base layers for DTM/DSM creation Creating DTM/DSM: <ul style="list-style-type: none"> • Calculating 3D-points • Building TIN & textured TIN 3D surface • Building DEM • Building LAS point clouds • Building true ortho • Building smooth contours 	<i>DTM</i> <i>dDSM</i>
Orthorectification Orthophotomaps creation	ortho.pdf geomosaic.pdf	Building orthophoto and accuracy control Brightness adjustment Splitting into sheets Creating marginalia	<i>GeoMosaic</i>
Three-dimensional modeling	3d-mod.pdf	3D modeling	<i>3D-Mod</i>
LIDAR Data processing	lidar.pdf	LIDAR data processing	<i>dDSM</i>
Neural processing of LIDAR data	neural.pdf	Neural processing of LIDAR data	<i>Neuro</i>
Processing of UAS data	uas.pdf	Processing of UAS data	<i>UAS</i>
General system's parameters	settings.pdf	Configuring system settings	<i>Core</i>

User Manual	File name	Short description	PHOTOMOD module or program
Hotkeys	hotkeys.pdf	Using hotkeys while working in the system	<i>Core</i>
The GeoCalculator program	geocalc.pdf	Coordinates transformation from one coordinate system to another, coordinate systems builder	<i>GeoCalculator</i>
ScanCorrect	sccor.pdf	Compensation of metric errors occurred when scanning graphical data on flatbed polygraphic scanners	<i>ScanCorrect</i>
EGM2008 Geoid installation	install_egm.pdf	Installation of EGM2008 geoid	<i>EGM 2008 distribution</i>
StereoMeasure	stereomeasure.pdf	StereoMeasure & ForestInterpretation programs	<i>StereoMeasure</i>