

# User Manual

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## Help sections and their correspondence to PHOTOMOD 8.1 system modules

User Manual	File name	Short description	PHOTOMOD module or program
General information	<a href="#">general.pdf</a>	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	<a href="#">project.pdf</a>	Project creation: <ul style="list-style-type: none"><li>• type of project</li><li>• coordinate System</li><li>• data placement</li></ul> Block creation: <ul style="list-style-type: none"><li>• converting images</li><li>• loading images</li><li>• images settings</li></ul> Project management	<i>Core</i>  <i>ImageWizard</i>
Block adjustment	<a href="#">solver.pdf</a>	Adjustment of central projection image blocks  Adjustment of scanner blocks	<i>SolverA</i>  <i>SolverS</i>

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

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Hotkeys	<a href="#">hotkeys.pdf</a>	Using hotkeys while working in the system	<i>Core</i>
The GeoCalculator program	<a href="#">geocalc.pdf</a>	Coordinates transformation from one coordinate system to another, coordinate systems builder	<i>GeoCalculator</i>
ScanCorrect	<a href="#">sccor.pdf</a>	Compensation of metric errors occurred when scanning graphical data on flatbed polygraphic scanners	<i>ScanCorrect</i>
EGM2008 Geoid installation	<a href="#">install_egm.pdf</a>	Installation of EGM2008 geoid	
StereoMeasure	<a href="#">stereomeasure.pdf</a>	StereoMeasure & ForestInterpretation programs	<i>StereoMeasure</i>