

User Manual

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Help sections and their correspondence to PHOTOMOD 8.1 system modules

User Manual	File name	Short description	Module or program
Linux configuration and PHOTOMOD installation	install_Astra_Linux_1.7.pdf	System installation (Astra Linux 1.7)	The PHOTOMOD distribution, corresponding the appropriate Linux distribution
	install_Astra_Linux_1.8.pdf	System installation (Astra Linux 1.8)	
	install_ALTLinux_10.4.pdf	System installation (ALT Linux 10.4)	
	install_RedOS_8.0.pdf	System installation (RED OS 8.0)	
Linux configuration and PHOTOMOD UAS installation	UAS_Astra_Linux_1.7.pdf	System installation (Astra Linux 1.7)	The PHOTOMOD UAS distribution, corresponding the appropriate Linux distribution
	UAS_Astra_Linux_1.8.pdf	System installation (Astra Linux 1.8)	
	UAS_ALTLinux_10.4.pdf	System installation (ALT Linux 10.4)	
	UAS_RedOS_8.0.pdf	System installation (RED OS 8.0)	
General information	general.pdf	Software and hardware requirements	Core
		Tools for work in stereo	System Monitor
		GUI and Main system windows	Control Panel
		Creating resources system and management of profiles	Explorer
		PHOTOMOD Raster Converter	Raster Converter
		Pan-sharpening operation	ParProc
		Distributed Processing	
		Format and path of project files	
Creating project	project.pdf	Project creation:	Core ImageWizard
		<ul style="list-style-type: none">• type of project• coordinate System• data placement Block creation: <ul style="list-style-type: none">• converting images	

User Manual	File name	Short description	Module or program
		<ul style="list-style-type: none"> loading images images settings Project management	
Block adjustment	solver.pdf	Adjustment of central projection image blocks Adjustment of scanner blocks	<i>SolverA</i> <i>SolverS</i>
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>

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LIDAR Data processing	lidar.pdf	LIDAR data processing	
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>
Hotkeys	hotkeys.pdf	Using hotkeys while working in the system	<i>Core</i>
The GeoCalculator program	geocalc.pdf	Coordinates transformation form 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	