



5. User manual

Detailed information on using a three-dimensional scanner is contained in “User manual”.

To download software and user manual please follow the link:

<http://support.rangevision.com/en/>.

Log in using this information:

Username: client

Password: rv_client

6. Warranty and technical support

The manufacturer guarantees the quality and functioning of the equipment, as well as a free replacement for components that fail due to manufacturer’s fault, subject to that the buyer follows conditions of use during the 12 months from the date of shipment of the equipment to the buyer. On all the issues regarding warranty repair please contact your vendor.

Smart

Quick start up guide

Dear Sir / Madam,
thank you for choosing RangeVisisn product.
Please read the instructions for setting up the scanner and safety recommendations before using the RangeVision Smart 3D scanner. It is also important to familiarize with the RangeVision ScanCenter manual and how to process the scanned data in RangeVision ScanMerge software.

To start please go to our support website:

<http://support.rangevision.com/>

Log in using this information:

Username: client

Password: rv_client



**After successful login
you will find 3 main
sections:**



Help

In this section please download manuals and follow the instructions.



Software

In this section you can download the latest RangeVision software.



FAQ

Here you can find answers to the most common questions and problems.

1. Basic information

RangeVision Smart three-dimensional scanner is designed for digitizing stationary objects through a contactless method. Hardware part of this system is the RangeVision Smart scanner, mounted on a tripod and connected to a stationary computer or a laptop; software part is represented by RangeVision ScanCenter and ScanMerge. The principle of the operation of the scanner is based on the structured light technology.

In order to maintain high accuracy when scanning items, as well as when changing a scanning zone, provided software allows you to fully calibrate the scanner.

2. Conditions of use and transport

The scanner can be operated at a constant ambient temperature from 5 to 30 degrees Celsius. The maximum air humidity is 80 %. The calibration plate must be transported in special travel case supplied.

Please do not use in direct sunlight. To achieve best results please use in controlled environment.

You may not use the equipment in a dusty or smoky environment.

3. Technical specifications

Scanning zone number	[1]	[2]	[3]
Size of Scanning Zone (W x H x D), (mm)	500 x 375 x 375	300 x 225 x 225	133 x 100 x 100
3D resolution:	0,4 mm	0,24 mm	0,12 mm

Average scanning time (depends on your computer) ~ 7 seconds (lighting) + 5 seconds (model calculation)	
Resolution of cameras - 1,3 Mpix. (1280x1024)	
The format of the data on the output	.STL
Source of light	LED-projector
Scanning principle	Structured light
Weight of the scanning module	1 kg
Operating system	Windows XP SP2, Windows 7 32bit, 64bit.
Power supply	220V, 100W
Calibration time	7 minutes

4. Equipment set

	name	q-ty
1	Scanning module consisting of:	1
	Camera	2
	Multimedia projector	1
	Mounting construction	1
	2x USB / 1x HDMI cable wrapped together	1
	AC Adapter	1
2	Disk with software:	0
	- RangeVision ScanCenter scanning software	online
	- RangeVision ScanMerge processing software	online
	- User manual	online
	- Drivers	online
3	License key (USB stick)	1
4	Tripod	1
5	Magnetic stand for calibration plates	1
6	Small calibration plate for zone 3	1
7	Large calibration plate for zone 1 / 2 (behind protective foam)	1
8	Scanning markers (behind protective foam)	1
9	Allen key – to adjust position of the cameras	1
10	Travel case	1

