

OPD-SCAN III VISUAL SYSTEM

- » 5 in 1 Combination Instrument
 - Autorefractor
 - Keratometer
 - Corneal Topographer
 - Wavefront Aberrometer
 - Pupilometer
- » ~10 Second Per Eye Measurement
- » Full Placido Disk Corneal Topographer (11,880 data points)
- » 4 Reports Including:
 - Day and Night Rx
 - Axial, Instantaneous (Tangential) and Elevation maps
 - Retro Illumination image to assess cataracts, IOLs, vacuoles and vitreous floaters
- » View Reports on iPad, iPhone, Tablet or PC
- » Integrates to TRS-5100 and TRS-6100
- » Seamlessly Sends Data and Images to EHR/EMR
Eliminating Transcription Errors



OPD-SCAN III VISUAL SYSTEM SPECIFICATIONS



TECHNICAL DATA	VALUE
DISPLAY	10.4-inch color LCD touch screen
AUTO TRACKING	X-Y-Z directions
PRINTER	Built-in thermal type line printer for data print
INTERFACE	RS-232C, LAN: 1 port each, USB: 4 ports
OPERATING SYSTEM	Windows 10 Embedded
DIMENSIONS (HxWxD)	533x284x525 mm
WEIGHT	23kg

WAVEFRONT ABERROMETER	
MEASUREMENT PRICIPLE	Automated objective refraction (dynamic skiascopy)
SPHERICAL POWER RANGE	-20.00 to +22.00 D
CYLINDRICAL POWER RANGE	0 to ± 12.00 D
AXIS RANGE	0 to 180°
MEASUREMENT AREA	$\phi 2.0$ to 9.5 mm (7 zone measurement)
DATA POINT	2,520 points (7 x 360)
MAP TYPE	OPD, Internal OPD, PSF, MTF graph, Visual Acuity

TOPOGRAPHER	
MEASUREMENT RINGS	33 vertical, 39 horizontal
MEASUREMENT AREA	$\phi 0.5$ to 11.0 mm (R = 7.9 mm)
DATA POINT	11,880 points and more
MAP TYPE	Axial, Instantaneous, "Refractive", Elevation

AUTO REFRACTOMETER	
MEASUREMENT RANGE	Sphere -20.00 to +22.00 D Cylinder 0 to ± 12.00 D Axis 0 to 180°
MINIMUM MEASURABLE PUPIL	$\phi 2.6$ mm

AUTO KERATOMETER	
MEASUREMENT RANGE	Curvature radius 5.00 to 10.00 mm Refractive power 33.75 to 67.50 D (n = 1.3375) Astigmatism 0 to ± 12.00 D Axis 0 to 180°
MEASUREMENT AREA	$\phi 3.3$ mm (R = 7.7 mm)

PUPILLOMETER/PUPILLOGRAPHER	
MEASUREMENT DIAMETER	1.0 to 10.0 mm
IMAGE TYPE	Photopic, Mesopic

