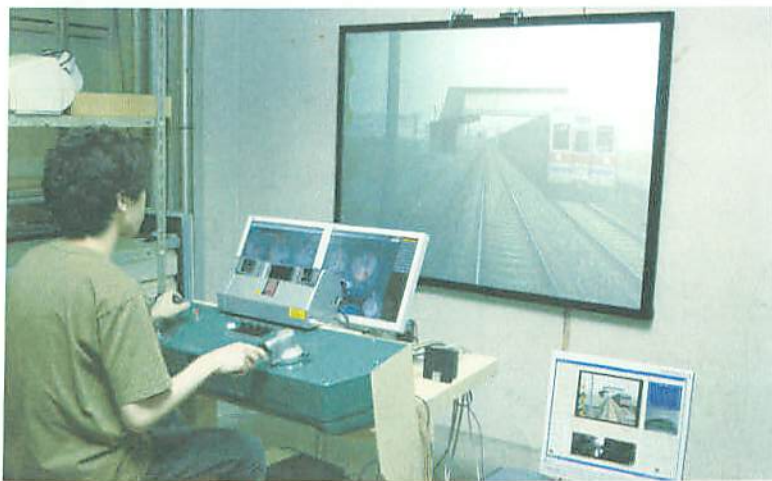
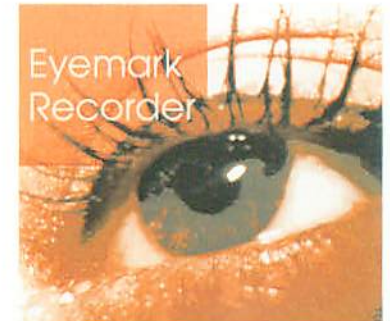


EMR-AT VOXER



< Features >

•Contact-free/Nonbinding System

The examinee does not wear any special device for measurements. Also, neither a chin rest nor other fixture to fix the head is required.

•Auto-Tracking/Auto-Focusing

VOXER tracks head motion of examinee (right to left, up and down, back and forth). This makes it possible for users to conduct long-time and natural measurement.

•Absolute Coordinate System

VOXER outputs the data of gaze position in absolute coordinate system on a monitor (the origin is set at upper left corner pixel) for quantitative analysis.

•Code data superimposition onto video signal

Gaze position is displayed on a monitor of the Control Unit for qualitative analysis. The data can be saved with the Control Unit and also DV camera/VCR (superimposed onto a video signal).

•Analysis System (Optional)

The analysis software supports an instantaneous viewing analysis, a convergence angle analysis and a measurement of pupil diameter in addition to analysis of eye movement.

< Specifications >

Detection Method	Pupil / Cornea Reflection Method
LED lighting Wavelength	850nm
Sampling Rate	60Hz (either right or left eye selectable)
Detection Resolution	0.3 degree
Detection Angle	40 degree circle (from LED lighting)
Detection Range	240(W)x±100(H)x±100(D)mm (In case the distance between cameras and eye is 600mm)
Input Signal	NTSC Video Signal (VBS signal and viewing images) External Counter Reset Signal (TTL/Contact) External Cue Signal (TTL/Contact)
Output Signal	NTSC Video Signal (including VBS signal, gaze position coordinate, code data, field counter and others) Serial Data (gaze position coordinate, field counter and others) * These signals can be stored in the control Unit.
Dimensions / Weight	Approx. 350(W)x170(H)x178(D)mm (Detection Unit) / Approx. 5.5kg

