CX-3B

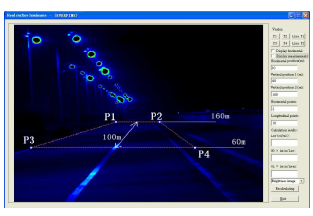
Image Luminance Meter

The CX-3B Image Luminance Meter is an instrument for the measurement of the luminance distribution in the field of view by once sampling: it works like up to 8,000,000 micro- luminance-meters working synchronously.

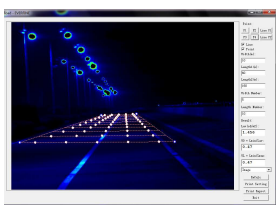
Main characteristics

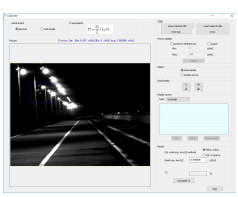
- High Accuracy – The spectral mismatching of the optical system to the V (λ) function can reach class A or class B (following DIN 5032-7) level
- High Resolution Measurement – CX-3B is equipped with high quality CCD with more than 8 million pixels to achieve very high resolution
- High Dynamic Range – the High Dynamic technology, realizes accurate measurements of objects with great luminance diversity and the luminance range can be in between 0.001cd/m^2 to 200kcd/m^2
- Good Stability – Part models adopt advanced TE-cooling technology to acquire excellent stability and repeatability
- Excellent Image Quality – CX-3B is equipped with high-end lenses of large aperture to measure object from short to very long distances
- Convenient to use – Powered by mains supply or external DC power supply, it has a USB interface, it is suitable for both laboratory and field measurement

Technical Specifications	
CCD Pixels	more than 8 million pixels
Measurement function	Single/multi point luminance, luminance uniformity, regional max, min, average, min/max, min/max, min/average values of luminance
Temperature controlling	CCD working temperature: 5° C – Temperature stability: ± 0.1°C
Luminance range	0.001cd/m^2~2kcd/m^2 ~ 200kcd/m^2 (density filter added, optional)
Luminance accuracy	± 5%
Luminance repeatability (Illuminant A)	0.8%
Measuring distance	150mm to infinite
Minimum measuring area	≥ 80mm x 59mm at 150mm distance
Test mode	Single exposure/Multiple exposure
Communication interface	USB 2.0



Road luminance measurement at all grid points





Threshold Increment (TI) calculation