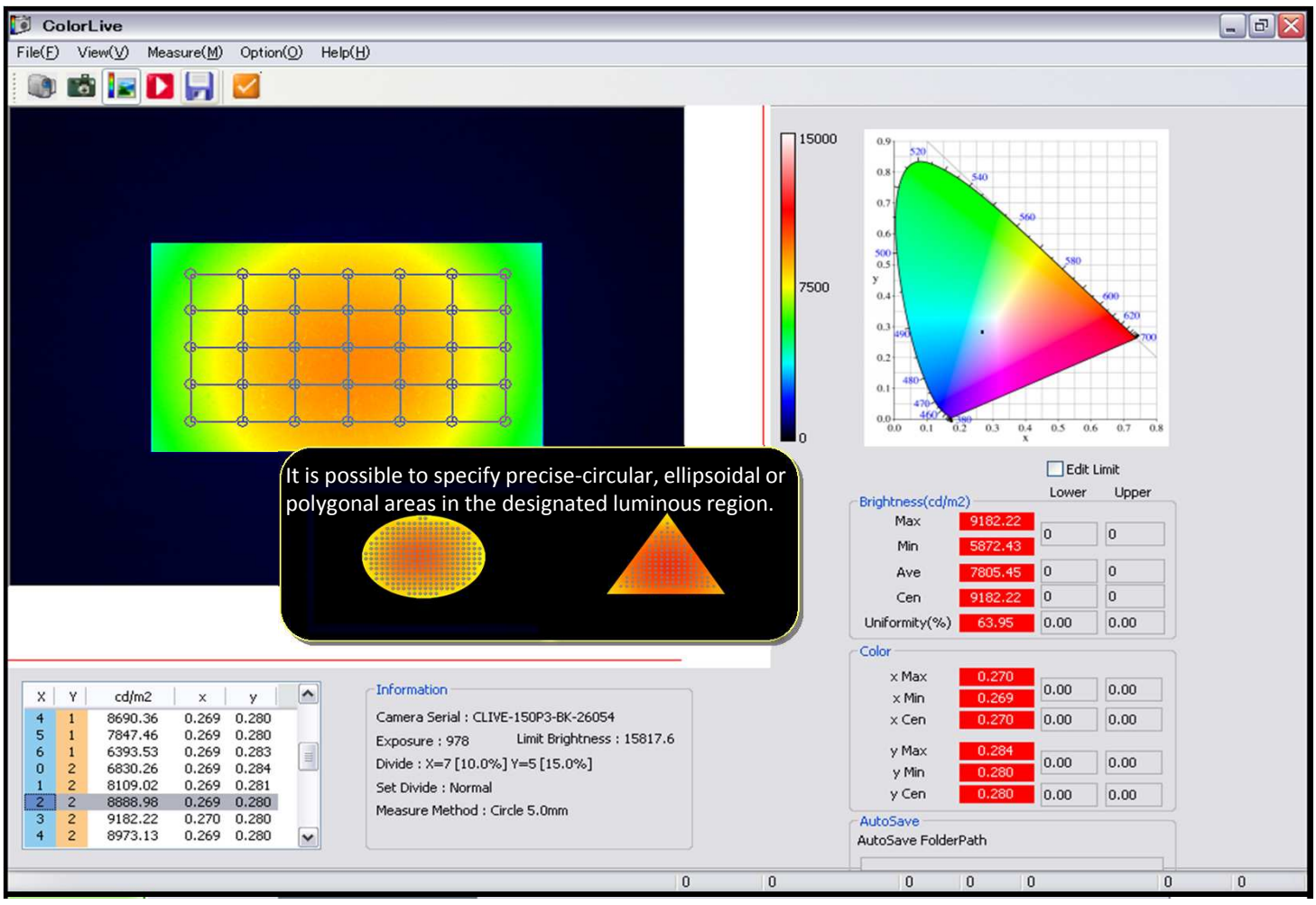
Equipment for Brightness Distribution Measurement ColorLive

"ColorLive" is the instrument to collectively measure the brightness distribution of surface light sources such as LED backlight and regular illumination where the uniformity is required.

USB memory key and USB cable

Image of measurement

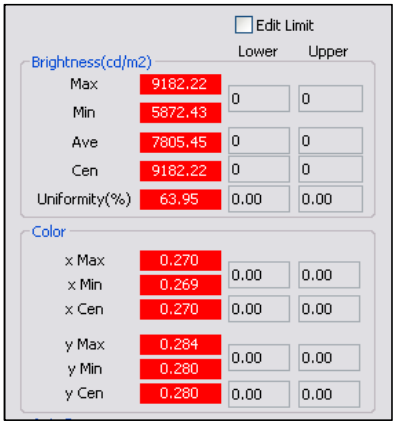
It is possible to designate luminous region, to instantaneously check the result and also to measure color and chromaticity on maximum 10,000 points at a time.



In response to mass production line

■Automatic judgment function of acceptance/rejection

Judgment of acceptance/rejection can be made by setting the conditions of optical specifications. If measured results are out of specifications, the values are displayed in red color.



After measurement, "OK" or "NG" can be displayed in large letters automatically.

■Keylock function

In order to prevent malfunctioning or incorrect setting, the system can be administered by Password.

■Multiple languages (Japanese, English, Chinese) can be displayed.

Data saving

Measured data can be saved by the following file format.

■Graphical content : JPEG PNG BMP ■Measured value : CSV

■Original : CLI

Re-measurement from the original file (CLI) is possible.

Measurement results can be saved automatically in sequential form of last 4 digits of 0001～9999.

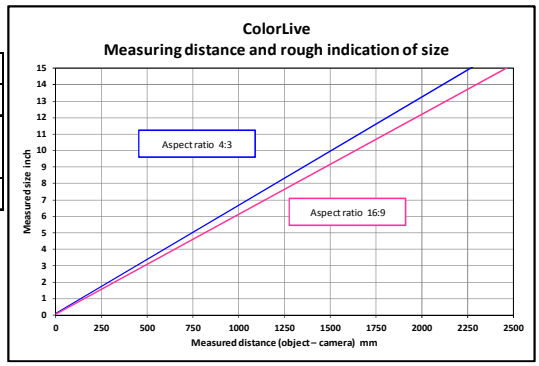
Contents of the equipment

Camera unit	1 set	(with 4.8m USB cable)
USB memory key	1 piece	(with manual for installation)

Main specifications

Measuring specifications

Lens	Made by FUJINON HF25SA-1 (C mount)
Camera	1.5 million PIXEL (1,360 x 1,024 pixel) 1/2 inch CCD
Resolution of camera	Color camera : RGB 256 gradations each (24 bit in total) Monochrome camera : 256 gradations (8 bit)
Measurement error	Within ±5% when calibrating brightness and chromaticity



Operating environment

CPU	Intel Core 2 Duo 2.0GHz or more.
Memory	1,024MB or more (Not-used-physical memory of more than 100MB is needed when program execution).
HDD	More than 10MB of free space is needed when installing.
OS	Windows XP SP1 or more, Windows Vista, Windows 7.
USB	Two or more USB2.0-supporting ports need to be available. To be used for camera connection and USB memory key. For camera connection USB port, use USB controller that chip-set made by INTEL is built in.
Monitor	Required to display resolution of more than XGA (1,024 x 768). Recommended to display resolution of more than SXGA (1,280 x 1,024) with size of 17 inches or more.

Reliability specifications of camera

Recommended environment	0～+35℃ recommended (＜80%RH, no condensation)
MTBF	＞70,000hrs (at +60℃)

～Please feel free to inquire about price, measuring method, etc. ～

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