

Feature	CV600
Sensor	CMOS Linear Image Sensor
Spectral Bandwidth	Approximately 12 nm (half bandwidth)
Receptor Size	Ø 6.6 ± 0.1 mm
Measurement Range	70 ~ 70,000 Lux
Wavelength Range	380 ~ 780 nm
Flicker sampling rate	100 K/sec
Measuring Modes	1. Basic Mode
	2. Spectrum Graph Mode
	3. CIE Chromaticity Diagram Mode
	4. Filter Mode
	5. Color Rendering Index Mode
	6. Exposure Mode
	7. Flicker free Mode
Measuring Capabilities	1. CCT
	2. CRI (Ra)
	3. Illuminance / LUX
	4. λP
	5. λPV
	6. CCI, CCf
	7. LBI, LBF
	8. Delta uv
	9. R1
	10.R2
	11.R3
	12.R4
	13.R5
	14.R6
	15.R7
	16.R8
	17.R9
	18.R10
	19.R11
	20.R12
	21.R13
	22.R14
	23.R15
	24.x (CIE 1931)
	25.y (CIE 1931)
	26.u'(CIE 1976)
	27.v'(CIE 1976)
	28.Foot Candle

	29.Flicker Percentage
	30.Flicker Index
	31.Frequency
	32.I-Time
	33.TLCI
	34.Spectrum Graphics
	35.EV
	36.ISO
	37.T (shutter)
	38.F (aperture)
Digital Resolution	16 bits
Dark Calibration	Yes
Stray Light	-25 dB max. (Use the input of 550nm single-frequency and measurement the range of optical $\pm 40\text{nm}$.)
Wavelength Data Increment	1 nm
Wavelength Reproducibility	$\pm 1 \text{ nm}$ (Input source must be a stable light source.)
Illuminance Accuracy	$\pm 5\%$
Color Accuracy	± 0.0025 in CIE 1931 x,y
Color Repeatability	Illuminant A @ 2856K at 20000 Lux ± 0.0005 in CIE 1931 x,y
CCT Accuracy	$\pm 2\%$
CRI Accuracy @ Ra	$\pm 1.5\%$
Display	3.5" LCD 320X240 Touch Panel
Max. Files	≈ 2000 Files @ 2GB SD Card
Battery Operation Time	≤ 5 hours / Fully Charged
Battery	2500 mAh / Rechargeable Li-ion Battery
Data Output Interface	SD Card (SD2.0, SDHC/above 1GB~up to 32GB) / USB 2.0
Data Format	Compatible Excel / JPG Data Format
Dimensions	144.2 x 78 x 24 mm (H x W x D)
Weight(with Battery)	250 g \pm 20 g
Operating Temperature	0 ~ 35 °C
Storage Temperature	-10 ~ 40 °C
Language Selection	English / Traditional Chinese / Simplified Chinese /Japanese / Spanish / German / French / Italian / Russian
The company reserves the right to change product specifications, if it has any changes will not give any notice	