Importadora Gyb Limitada
Padre orellana 1476
Santiago CL13101 Chile



ProMetric Y fotómetro de imagen

Código: RVS-PROMETRIC-Y

Marca: Radiant Vision Systems

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Detalle

Fotómetro de imagen para pruebas rápidas de producción

- Equipo de formato compacto para mediciones fotométricas de pantallas, teclados, productos de iluminación, componentes y superficies.
- Orientado a líneas de producción que requieren velocidad, repetibilidad y captura de múltiples puntos de medición en una sola imagen.
- Adecuado para control de luminancia, uniformidad, contraste y defectos visibles.

Especificaciones técnicas

Parameter	ProMetric Y16-G	ProMetric Y16-G	ProMetric Y43	ProMetric Y43	ProMetric Y61
Primary Application	Production, Display Testing, Pixel-level Measurement, Advanced Vision	Production, Display Testing, Pixel-level Measurement, Advanced Vision	Production, Display Testing, Pixel-level Measurement, Advanced Vision	Production, Display Testing, Pixel-level Measurement, Advanced Vision	Production, Display Testing, Pixel-level Measurement, Advanced Vision
Sensor Pixel Resolution	5312 x 3032	5312 x 3032	5312 x 3032	8040 x 5360	9568 x 6380
Sensor Megapixels	16.1	16.1	16.1	43.1	61.0
Sensor Type	CMOS	CMOS	CMOS	CCD	CMOS
System Dynamic Range (single exposure, per pixel)	70 dB (1 x 1 binning)	70 dB (1 x 1 binning)	70 dB (1 x 1 binning)	59 dB (1 x 1 binning)	76 dB (1 x 1 binning)
Luminance (Minimum) *	0.0005 cd/m 2 Limit of Detection 0.0010 cd/m 2 @ SNR = 60 0.0015 cd/m 2 @ SNR = 100	0.0005 cd/m 2 Limit of Detection 0.0010 cd/m 2 @ SNR = 60 0.0015 cd/m 2 @ SNR = 100	0.0005 cd/m 2 Limit of Detection 0.0010 cd/m 2 @ SNR = 60 0.0015 cd/m 2 @ SNR = 100	0.0001 cd/m 2 Limit of Detection 0.0001 cd/m 2 @ SNR = 60 0.0005 cd/m 2 @ SNR = 100	0.0005 cd/m 2 Limit of Detection 0.0010 cd/m 2 @ SNR = 60 0.0015 cd/m 2 @ SNR = 100
Luminance (Maximum)	10 10 cd/m 2 with optional ND filters	10 10 cd/m 2 with optional ND filters	10 10 cd/m 2 with optional ND filters	10 10 cd/m 2 with optional ND filters	10 10 cd/m 2 with optional ND filters
System Accuracy **	Illuminance ± 3%; Luminance (Y) ± 3%	Illuminance ± 3%; Luminance (Y) ± 3%	Illuminance ± 3%; Luminance (Y) ± 3%	Illuminance ± 3%; Luminance (Y) ± 3%	Illuminance ± 3%; Luminance (Y) ± 3%
Short-term Repeatability *	Illuminance ± 0.03%; Luminance (Y) ± 0.03%	Illuminance ± 0.03%; Luminance (Y) ± 0.03%	Illuminance ± 0.03%; Luminance (Y) ± 0.03%	Illuminance ± 0.02%; Luminance (Y) ± 0.02%	Illuminance ± 0.02%; Luminance (Y) ± 0.02%
Lens Type	Electronically controlled focus and aperture	Electronically controlled focus and aperture	Electronically controlled focus and aperture	Electronically controlled focus and aperture	Electronically controlled focus and aperture
Focal Distances Available	35, 50, 100 mm	35, 50, 100 mm	35, 50, 100 mm	35, 50, 100, 200 mm	35, 50, 100, 200 mm
Field of View (Full Angle, H x V degrees)	35 mm 24° x 14° 50 mm 17° x 10° 100 mm macro 8° x 5°	35 mm 24° x 14° 50 mm 17° x 10° 100 mm macro 8° x 5°	35 mm 24° x 14° 50 mm 17° x 10° 100 mm macro 8° x 5°	35 mm 55° x 37° 50 mm 40° x 28° 100 mm macro 20° x 14° 200 mm 11° x 7°	35 mm 55° x 37° 50 mm 40° x 28° 100 mm macro 20° x 14° 200 mm 11° x 7°
Minimum Measurement Time ***	0.5 sec	0.5 sec	0.5 sec	1.4 sec	0.7 sec

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Parameter	ProMetric Y16-G	ProMetric Y16-G	ProMetric Y43	ProMetric Y43	ProMetric Y61
Spatial Measurement Capabilities	Luminance, Radiance, Illuminance, Irradiance, Luminous Intensity, Radiant Intensity	Luminance, Radiance, Illuminance, Irradiance, Luminous Intensity, Radiant Intensity	Luminance, Radiance, Illuminance, Irradiance, Luminous Intensity, Radiant Intensity	Luminance, Radiance, Illuminance, Irradiance, Luminous Intensity, Radiant Intensity	Luminance, Radiance, Illuminance, Irradiance, Luminous Intensity, Radiant Intensity
Units	foot-lambert, cd/m 2 , nit, W/sr/m 2 , foot-candles, lux, lux-s, W/m 2 , W-s/m 2 , candela, W/sr	foot-lambert, cd/m 2 , nit, W/sr/m 2 , foot-candles, lux, lux-s, W/m 2 , W-s/m 2 , candela, W/sr	foot-lambert, cd/m 2 , nit, W/sr/m 2 , foot-candles, lux, lux-s, W/m 2 , W-s/m 2 , candela, W/sr	foot-lambert, cd/m 2 , nit, W/sr/m 2 , foot-candles, lux, lux-s, W/m 2 , W-s/m 2 , candela, W/sr	foot-lambert, cd/m 2 , nit, W/sr/m 2 , foot-candles, lux, lux-s, W/m 2 , W-s/m 2 , candela, W/sr
Communication Interface	Ethernet 1000	Ethernet 1000	Ethernet 100/1000, USB 2.0	10 Gigabit Ethernet (10 GigE)	10 Gigabit Ethernet (10 GigE)
Power	External AC / DC adapter, 100-240 V, 50-60 Hz, 60 Watts	External AC / DC adapter, 100-240 V, 50-60 Hz, 60 Watts	External AC / DC adapter, 100-240 V, 50-60 Hz, 60 Watts	External AC / DC adapter, 100-240 V, 50-60 Hz, 60 Watts	External AC / DC adapter, 100-240 V, 50-60 Hz, 60 Watts
Dimensions (H x W x D)	86 mm x 86 mm x 170 mm	86 mm x 86 mm x 170 mm	86 mm x 86 mm x 154 mm	86 mm x 86 mm x 154 mm	86 mm x 86 mm x 170 mm
Peso	1.1 kg	1.1 kg	1.4 kg	1.4 kg	1.2 kg
Temperatura de operación	5 - 35° C	5 - 35° C	5 - 35° C	0 - 30° C	5 - 35° C
Operating Humidity	20 - 70% non-condensing	20 - 70% non-condensing	20 - 70% non-condensing	20 - 70% non-condensing	20 - 70% non-condensing

Aplicaciones

Seleccione esta familia para medición de luminancia, cromaticidad, uniformidad y defectos en pantallas, componentes retroiluminados y fuentes de luz. Valide resolución, campo de visión, velocidad de medición y software requerido.

Cómo validar si sirve

Confirme muestra, campo de visión, distancia de trabajo, resolución, velocidad de medición, software requerido y condiciones de producción o laboratorio.

Recomendación

Solicite esta solución cuando esos criterios coincidan con la aplicación real y se requiera medición o inspección óptica con trazabilidad técnica.

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