



PRODUCTS / LIGHT SENSORS / SPECTRAL SENSING

**ams OSRAM**

Sensing is Life

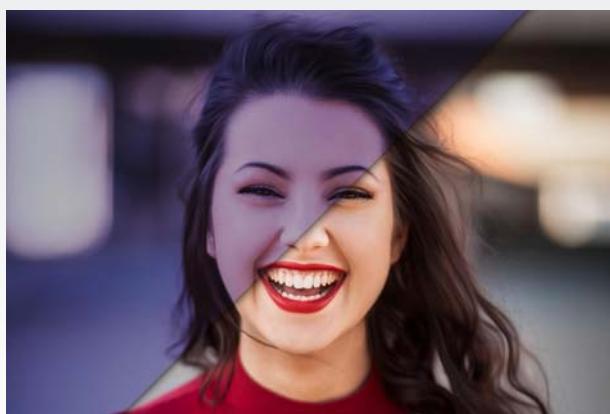
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Our vision is to create the uncontested leader in optical solutions through bold investments in disruptive innovation and continuous transformation delivering best-in-class profitability and growth.

More about Spectral Sensing

Chip-scale spectral sensing solutions from ams enable designers to implement a broad range of new applications in consumer, industrial and health-related devices. These new applications include color picking/matching, authentication, and color and spectral analysis of materials and fluids. High-level integration with advanced CMOS filter technology allows lifetime calibration accuracy and enables instrument makers to bring laboratory-grade precision to the field.

>> Read more in our [white paper about chip-scale spectral sensing](#)



Find out more about [light source detection and image enhancement](#) for mobile applications and about our [Spectral Sensing Technology](#).

ams launches most advanced spectral ALS sensor for next-generation premium smartphone camera performance boost.
[Read more in press release](#)

>> Watch on-demand: ams' [keynote about Delivering Pandemic Control](#) - How ams innovation in spectral sensing technology is improving rapid access, accuracy, and app-to-cloud connectivity for COVID-19 Control

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PartNo	Description	Sensor Type	Applications	I/O	Package	Size mm	Supply Voltage V
AS7341	11-channel spectrometer for spectral identification and color matching applications	Multi Spectral Sensor	Spectral detection and analysis, building automation ambient sensing, color measurement	I ² C	OLGA-8	3.1 x 2 x 1	1.8
AS7265x	Smart 18-Channel VIS+NIR Spectral_ID Sensor with Electronic Shutter	3 chips, each 6 channels 410-940nm	Authentication, analysis, spectroscopy	UART or I ² C slave digital Interface	20-pin LGA	4.5 x 4.7 x 2.5	2.7 to 3.6
AS7264N	XYZ Color Point/CCT identification plus 440/490nm blue sensing	6 channel visible + NIR	CCT and Color Point identification plus added blue	I ² C	20-pin LGA	4.5 x 4.7 x 2.5	2.7 to 3.6
AS7263	6-channel NIR spectral_ID device with electronic shutter and smart interface	6-channel near IR interference 600-870nm	Authentication, content analysis	I ² C master or UART (mode configurable)	20-pin LGA with aperture	4.5 x 4.7 x 2.5	2.7 to 3.6
AS7262	6-channel visible spectral_ID device with electronic shutter and smart interface	6-channel visible interference 430-670nm	Color/Content analysis, visible spectrometry	I ² C master or UART (mode configurable)	20-pin LGA with aperture	4.5 x 4.7 x 2.5	2.7 to 3.6
AS7261N	Tri-Stimulus XYZ + NIR Sensor with Electronic Shutter	XYZ tri-stimulus/standard observer	Color analysis and color calibration	I ² C slave digital Interface	20-pin LGA with aperture	4.5 x 4.7 x 2.5	2.7 to 3.6
AS7261	Tri-stimulus XYZ + NIR sensor device with electronic shutter and smart interface	XYZ tri-stimulus/standard observer	Color analysis and color calibration	I ² C master or UART (mode configurable)	20-pin LGA with aperture	4.5 x 4.7 x 2.5	2.7 to 3.6



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