

Argon SDC 212M

with Auto Iris Control



Argon SDC 212M cameras with auto iris control are fitted with 1/2" CCD sensors with a resolution of either 752 x 582 pixels (CCIR) or 768 x 494 pixels (EIA). As an option, the sensors are also available with enhanced sensitivity in the near-infrared (NIR) range of the spectrum. The Argon cameras provide a video composite interface.

The cameras feature full video resolution, 12-bit digital signal processing and comprehensive signal processing functions such as Automatic Contrast Control (ACC/DRE) and histogram equalization. The line generator function offers fully adjustable reticles.

Technical Data

Highlight	rugged video camera, upgradable, SMPTE-259M (SDI)
Video Standard	CCIR/EIA
Sensor interline transfer CCD	1/2" CCD (NIR, 1/3" CCD optional)
Pixel (H x V)	752 x 582 (CCIR) / 768 x 494 (EIA)
Sensitivity Standard	0.075 lux at 14 dB, 0.01875 lux at max. gain (high sensitivity mode 0.0047 lux at max. gain)
NIR	0.05 lux at 14 dB, 0.0125 lux at max. gain (high sensitivity mode 0.003 lux at max. gain)
Dynamic range	> 50 dB
System	FPGA: 12 bit, controller 32-bit ARM7TDMI
Resolution	700 lines (horizontal)
Signal output / Interfaces	composite video
Exposure time	1/50s (CCIR), 1/60s (EIA) to 1/100 000s
Gain	0 to 26 dB
Adjustments	RS 232 (RS 422/485 on request): AIT, AGC, gamma, measurement window, automatic contrast control (ACC/DRE), histogram equalization, edge enhancement, line generator, built-in test
Firmware update	FPGA firmware, microcontroller software
Synchronization	internal/external (composite sync.)
Lens mount	C-mount
Power supply	9 - 36 V DC, < 3 W (lens with auto iris control according to the manufacturer specifications)
Connection	Kappa CSI, 4 pin socket for auto iris control (video)
Temperature	-20°C to +60°C
Dimensions / Weight	50 x 50 x 63 mm (without connectors), 310 g
Equipment / Options	PC Software camera control KDC-A, USB connection

We are constantly checking the accuracy of the technical data. We are prepared to provide more detailed information on request. Technical data are subject to change without notice!

Kappa optronics GmbH
 Kleines Feld 6
 37130 Gleichen | Germany
 Fon +49.5508.974.0
 Fax +49.5508.974.100
 info@kappa.de
 www.kappa.de

Kappa optronics Inc.
 825 Primrose Ave., Unit I
 Monrovia, CA 91016 | USA
 Fon +1.626.256.4343
 Fax +1.626.256.6484
 info@kappa-optronics.com
 www.kappa-optronics.com