

Color Camera

Features

- * High performance SONY CCD
- * Clear & detail image
- * Low Illumination: 0.8Lux/F1.2, Auto Color/Black & White for surveillance Day and Night
- * Back-light compensation function support
- * Auto white balance function support, excellent color reducibility and high fidelity image
- * High S/N Ratio, clear image
- * Auto Electronic Shutter function support for all kinds of environment
- * Auto Gain Control function support, self-adjusting brightness
- * Auto Iris function (DC or Video drive)
- * Advanced engineering design, high reliability
- * Convenient back focus adjustment



Technical Data

Model No.	APG-BC100-01C
CCD Type	SONY 1/3"CCD
Horizontal Resolution	420TVL
Effective Pixel	PAL:512H×582V / NTSC:512H×492V
TV System	PAL/NTSC
Minimum Illumination	0.8Lux/F1.2
S/N Ratio	≥48dB
Video Output	1.0Vp-p/75Ω
AGC	AGC ON / OFF
White Balance	AWB ON (auto) / OFF (speedy tracking)
Back-Light Compensation	BLC ON / OFF
Exposure Control	EE (Electronic Exposure) /AI (Auto Iris Lens)
Electronic Shutter	NTSC:1/60 to 1/100,000 sec.(ON/OFF) PAL:1/50 to 1/100,000 sec.
Gamma Correction	0.45
Sync System	Internal Synchronization
Auto Iris Lens	Video/DC
Lens Mount	C/CS
Power Requirements	DC12V±5%
Operation Temperature	-20°C~+50°C
Weight (g)	About 282g

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Technical Data

Model No.	APG-BC100-02C
CCD Type	SONY 1/3"CCD
Horizontal Resolution	480TVL
Effective Pixel	PAL:752H×582V / NTSC:768H×494V
TV System	PAL/NTSC
Minimum Illumination	0.8Lux/F1.2
S/N Ratio	≥48dB
Video Output	1.0Vp-p/75Ω
AGC	AGC ON / OFF
White Balance	AWB ON (auto) / OFF (speedy tracking)
Back-Light Compensation	BLC ON / OFF
Exposure Control	EE (Electronic Exposure) /AI (Auto Iris Lens)
Electronic Shutter	NTSC:1/60 to 1/100,000 sec.(ON/OFF) PAL:1/50 to 1/100,000 sec.
Gamma Correction	0.45
Sync System	Internal Synchronization
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Technical Data

Model No.	APG-BC100-03C
CCD Type	SONY 1/3"CCD
Horizontal Resolution	520TVL
Effective Pixel	PAL:752H×582V / NTSC:768H×494V
TV System	PAL/NTSC
Minimum Illumination	0.8Lux/F1.2
S/N Ratio	≥48dB
Video Output	1.0Vp-p/75Ω
AGC	AGC ON / OFF
White Balance	AWB ON (auto) / OFF (speedy tracking)
Back-Light Compensation	BLC ON / OFF
Exposure Control	EE (Electronic Exposure) /AI (Auto Iris Lens)
Electronic Shutter	NTSC:1/60 to 1/100,000 sec.(ON/OFF) PAL:1/50 to 1/100,000 sec.
Gamma Correction	0.45
Sync System	Internal Synchronization
Auto Iris Lens	Video/DC
Lens Mount	C/CS
Power Requirements	DC12V±5%
Operation Temperature	-20°C~+50°C
Weight (g)	About 282g

Low Illumination Color Camera

Features

- * High performance SONY CCD
- * Clear & detail image
- * Low Illumination: 0.1Lux/F1.2, Auto Color/Black & White for surveillance Day and Night
- * Back-light compensation function support
- * Auto white balance function support, excellent color reducibility and high fidelity image
- * High S/N Ratio, clear image
- * Auto Electronic Shutter function support for all kinds of environr
- * Auto Gain Control function support, self-adjusting brightness
- * Auto Iris function (DC or Video drive)
- * Advanced engineering design, high reliability
- * Convenient back focus adjustment



Technical Data

Model No.	APG-BC100-02D/N
CCD Type	1/3" SONY EX-VIEW HAD CCD
Horizontal Resolution	480TVL
Pixel	PAL:752H×582V /NTSC:768H×494V
TV System	PAL/NTSC
CCD Size	4.8mm×3.6mm
Minimum Illumination	0.1Lux/F1.2
S/N Ratio	≥48dB
Video Output	1.0Vp-p/75Ω
AGC	AGC ON / OFF
White Balance	AWB ON (auto) / OFF (speedy tracking)
Back-Light Compensation	BLC ON / OFF
Exposure Control	EE (Electronic Exposure) /AI (Auto Iris Lens)
Electronic Shutter	NTSC:1/60 to 1/100,000 sec.(ON/OFF) PAL:1/50 to 1/100,000 sec.
Gamma Correction	0.45
Sync System	Internal Synchronization
Auto Iris Lens	Video/DC
Lens Mount	C/CS
Power Requirements	DC12V±5%
Operation Temperature	-10°C~+50°C

Low Illumination Color Camera

Features

- * High performance SONY CCD
- * Clear & detail image
- * Low Illumination: 0.1Lux/F1.2, Auto Color/Black & White for surveillance Day and Night
- * Back-light compensation function support
- * Auto white balance function support, excellent color reducibility and high fidelity image
- * High S/N Ratio, clear image
- * Auto Electronic Shutter function support for all kinds of environment
- * Auto Gain Control function support, self-adjusting brightness
- * Auto Iris function (DC or Video drive)
- * Advanced engineering design, high reliability
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Technical Data

Model No.	APG-BC100-03D/N
CCD Type	1/3" SONY EX-VIEW HAD CCD
Horizontal Resolution	540TVL
Pixel	PAL:752H×582V /NTSC:768H×494V
TV System	PAL/NTSC
CCD Size	4.8mm×3.6mm
Minimum Illumination	0.1Lux/F1.2
S/N Ratio	≥48dB
Video Output	1.0Vp-p/75Ω
AGC	AGC ON / OFF
White Balance	AWB ON (auto) /OFF (speedy tracking)
Back-Light Compensation	BLC ON / OFF
Exposure Control	EE (Electronic Exposure) /AI (Auto Iris Lens)
Electronic Shutter	NTSC:1/60 to 1/100,000 sec.(ON/OFF) PAL:1/50 to 1/100,000 sec.
Gamma Correction	0.45
Sync System	Internal Synchronization
Auto Iris Lens	Video/DC
Lens Mount	C/CS
Power Requirements	DC12V±5%
Operation Temperature	-10℃~+50℃

Extreme High Resolution Camera

Features

- * 0.01lux extra low illumination
- * OSD built-in menu, 4 languages (Chinese, Japanese, English, Korean)
- * Built-in decoder, RS-485 interface and Pelco-D control protocol (optional)
- * Dual-filter switch (optional)
- * With 1-channel audio output and 2-channel video output



Technical Data

Model No.	APG-BC100-04D/N
Image Device	1/3" SONY SUPER HAD CCD
Horizontal Resolution	560TVL
TV System	PAL/NTSC
Effective Pixel	PAL:752H×582V / NTSC:768H×494V
S/N Ratio	> 48dB (AGC OFF)
Video Output	1.0 VP ~ P (75Ω, Composite Video)
Sync System	Internal Synchronization
Sensitivity	0.1 Lux (Color), 0.01 Lux (B/W) F=1.6
Electronic Shutter	NTSC:1/60 to 1/100,000 sec. / PAL:1/50 to 1/100,000 sec.
Horizontal Frequency	NTSC:15.734Hz / PAL:15.625kHz
Vertical Frequency	NTSC:59.94Hz / PAL:50.00Hz
White Balance	ATW / AWB / FIXED / MANUAL (optional)
Back-Light Compensation	ON / OFF
AGC	ON / OFF
Language	Chinese/Japanese/Korean/English (Optional)
Day/Night	Lux/Term: 10~15 Lux Switching time: 5 Sec.
Power Requirements	DC12V/AC24V
Power Consumption	< 170mA

Extreme Low Illumination Camera / Extreme High Resolution Camera

Features:

- * 0.001lux extra low illumination
- * OSD built-in menu, 4 languages (Chinese, Japanese, English, Korean)
- * Built-in decoder, RS-485 interface and Pelco-D control protocol (optional)
- * Day and night automatic switch, Dual-filter switch specialized for license plate (optional)
- * Unique Mosaic processing technology (auto mosaic processing in appointed area)
- * Support 8bit digital signal transmission (same as Digital Television Technology) (Optional)
- * Motion Detection Alarm and input/output alarm signal
- * High compatible ability for work under 6V to 40V
- * VSB(vestigial side band modulation) video signal output against multipath effect transmission and avoiding double image VSB



Technical Data

Model No.	APG-BC100-02L
Image Device	1/3" SONY EX-VIEW HAD CCD
Horizontal Resolution	480TVL
TV System	PAL/NTSC
Effective Pixel	PAL:752H×582V / NTSC:768H×494V
CCD Size	4.8mm×3.6mm
S/N Ratio	> 48dB (AGC OFF)
Video Output	1.0 Vp ~ p (75Ω, Composite Video)
Sync System	Internal Synchronization
Sensitivity	0.1 Lux (Color), 0.01 Lux (B/W) F=1.6
Electronic Shutter	Manual / FLK / Fixed (1/50sec ~ 1/100,000sec) optional
Menu	Built-in
Lens	Electric / Manual (optional)
White Balance	ATW / AWB / FIXED / MANUAL (optional)
Back-Light Compensation	ON / OFF
AGC	ON / OFF
Fine Tuning	Contrast / Resolution / CB_GAIN / CR_GAIN (optional)
Language	Chinese/Japanese/Korean/English (Optional)
Camera ID	ON / OFF (optional)
Day/Night	Auto / B&W / Color (optional)
Motion Detection	ON / OFF
Mosaic	ON / OFF (4 areas selectable)
Mirror Image	ON / OFF
Gamma Correction	User-define 0.05~1.00 (optional)
Alarm Signal Output (Optional)	5V, <10mA
Digital Signal	8 bits 27 MHz
Power Requirements	DC12V/AC24V
Power Consumption	< 170mA

Extreme Low Illumination Camera / Extreme High Resolution Camera

Features

- * 0.001lux extra low illumination
- * OSD built-in menu, 4 languages (Chinese, Japanese, English, Korean)
- * Built-in decoder, RS-485 interface and Pelco-D control protocol (optional)
- * Day and night automatic switch, Dual-filter switch specialized for license plate (optional)
- * Unique Mosaic processing technology (auto mosaic processing in appointed area)
- * Support 8bit digital signal transmission (same as Digital Television Technology) (Optional)
- * Motion Detection Alarm and input/output alarm signal
- * High compatible ability for work under 6V to 40V
- * VSB(vestigial side band modulation) video signal output against multipath effect transmission and avoiding double image VSB



Technical Data

Model No.	APG-BC100-03L
Image Device	1/3" SONY EX-VIEW HAD CCD
Horizontal Resolution	540TVL
TV System	PAL/NTSC
Effective Pixel	PAL:752H×582V / NTSC:768H×494V
CCD Size	4.8mm×3.6mm
S/N Ratio	> 48dB (AGC OFF)
Video Output	1.0 Vp ~ p (75Ω, Composite Video)
Sync System	Internal Synchronization
Sensitivity	0.1 Lux (Color), 0.01 Lux (B/W) F=1.6
Electronic Shutter	Manual / FLK / Fixed (1/50sec ~ 1/100,000sec) optional
Menu	Built-in
Lens	Electric / Manual (optional)
White Balance	ATW / AWB / FIXED / MANUAL (optional)
Back-Light Compensation	ON / OFF
AGC	ON / OFF
Fine Tuning	Contrast / Resolution / CB_GAIN / CR_GAIN (optional)
Language	Chinese/Japanese/Korean/English (Optional)
Camera ID	ON / OFF (optional)
Day/Night	Auto / B&W / Color (optional)
Motion Detection	ON / OFF
Mosaic	ON / OFF (4 areas selectable)
Mirror Image	ON / OFF
Gamma Correction	User-define 0.05~1.00 (optional)
Alarm Signal Output (Optional)	5V,<10mA
Digital Signal	8 bits 27 MHz
Power Requirements	DC12V/AC24V
Power Consumption	< 170mA

Extreme High Resolution & Wide Dynamic Range Camera

Features

- * Diagonal 6mm SONY DS CCD
- * 128* WDR (Wide Dynamic Range)
- * 0.01lux extra low illumination
- * SSNR Li (the 2nd generation of noise reducing technology)
- * Digit Stability Function support
- * Multi-lingual support
- * RS-485 interface support



Technical Data

Model No.	APG-BC100-04W
Image Device	1/3" SONY DS CCD
Horizontal Resolution	560TVL
Effective Pixel	PAL:752H×582V / NTSC:768H×494V
S/N Ratio	> 48dB (AGC OFF)
Wide Dynamic Range	52dB(×128)
Video Output	1.0 VP ~ P (75Ω, Composite Video)
Sync System	Internal/External Synchronization
Minimum Illumination	0.1 Lux (Color), 0.01 Lux (B/W) F=1.6
Electronic Shutter	NTSC:1/60 to 1/100,000 sec. / PAL:1/50 to 1/100,000 sec.
Menu	Built-in
Lens	Electric / Manual (optional)
White Balance	Outdoor/ ATW / Auto Control / Manual
Back-Light Compensation	ON / OFF
AGC	ON / OFF
Light Sensitivity	AUTO/ FIXED/ OFF (Range: 2~256)
Digital Noise Reduction	ON / OFF
Motion Detection	ON / OFF
Day/Night	Auto / B&W / Color / External
Private Zone Masking	ON / OFF (8 Groups)
Horizontal Mirror Image	ON / OFF
Vertical Mirror Image	ON / OFF
Freezing	ON / OFF
Acutance	ON / OFF
Digital Image Stability	ON / OFF
Power Requirements	DC12V/AC24V
Operation Temperature	-10℃~+50℃