

CAMERA

HIGH RESOLUTION

COLOR: CV-7017H, CV-7017S
CV-7027H, CV-7028H
CV-7013H, CV-7013HD
B/W: CV-7105H

PREMIUM

COLOR: CV-7007
CV-7028, CV-7028B

STANDARD

COLOR: CV-7008
B/W: CV-7105E

P.O.V. (POWER OVER VIDEO)

COLOR: CV-7008S
B/W: CV-7105S

BOARD

COLOR: CV-7012, CV-7012B
CV-7013H

DOME

COLOR: CV-7012D, CV-7012BD
CV-7013HD

CV-7017H, CV-7017S

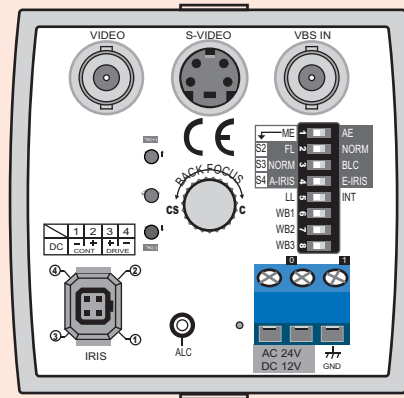
HIGH RESOLUTION

CV-7017S: model with Day & Night function



Lens not included

CV-7017H Rear Panel



FEATURES:

- 470 TV lines Resolution
- Minimum illumination of 1.0 lux at F1.2
- Auto iris (DC drive) & CCD iris control selectable
- Eight electronic shutter speeds
- White balance programmable
- Automatic gain control
- Backlight compensation
- Internal, line-lock, and external (VBS) synchronization selectable
- Line-lock sync with 0°~360°V-phase adjustable
- External (VBS) sync with 0°~360°H-phase adjustable
- C- or CS- mount lens mount
- S-VHS output terminal
- Patented user friendly back focus adjustment

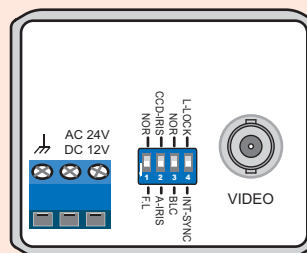
CV-7027H, CV-7028H

HIGH RESOLUTION

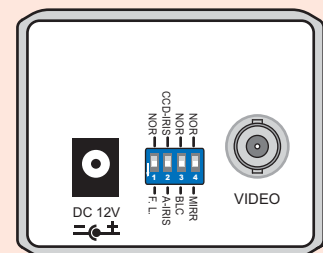


Lens not included

CV-7027H Rear Panel



CV-7028H Rear Panel



FEATURES:

- 470 TV lines Resolution
- Auto white balance
- Auto gain control
- Compatible with either C or CS lens mount *
- Iris control VR
- Switchable auto & electronic iris
- Using flicker filter switch effectively decrease the screen flickering(CV-7028H only)
- Backlight compensation
- Mirror reflection

* The package includes the adapter ring for C lens mount use.

BV-7105H

HIGH RESOLUTION

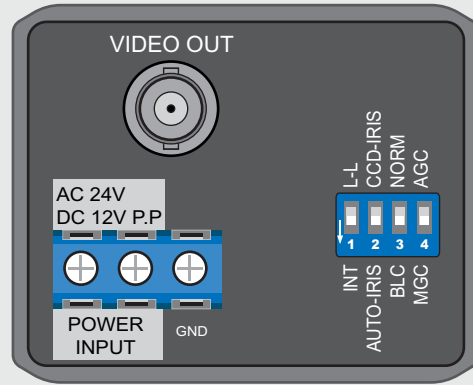


Lens not included

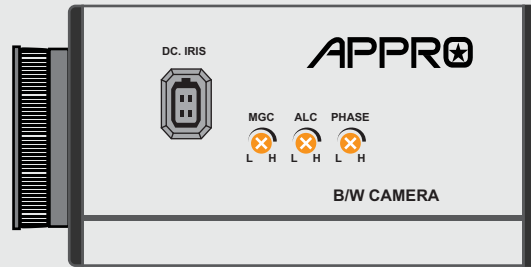
FEATURES:

- 570 TV Lines Resolution
- 0.05 lux min. Illumination
- Switchable DC Drive auto iris & CCD Iris Controls
- BLC, AGC, MGC controls
- Isolation Power Circuit
- Switchable Internal, line-lock Sync.

BV-7105H Rear Panel



BV-7105H Side View



SPECIFICATIONS

Model Number	BV-7105H	CV-7017H(S)*	CV-7027H	CV-7028H
Camera Type	B/W	Color		
Image Device	1/3" Interline transfer type CCD			
Picture Element	EIA:768(H)X494(V) CCIR:752(H)X582(V)	NTSC: 768(H) X 494 (V) PAL: 752 (H) X 582 (V)		
Resolution	570TV Line	470TV Line		
Minimum Illumination	0.05 lux / F1.2	1.0 lux / F1.2		
Iris Functions	Auto-IRIS/CCD-IRIS selectable			
Auto Iris Type	DC Servo			
DC Iris Level	Adjustable (VR)			
Electronic Shutter	1/60 (1/50) to 1/100,000 Sec.			
Sync System	Internal, Line Lock	VBS, Internal, and Line Lock	Internal, Line Lock	Internal
AGC	Auto / Manual	Auto(0~30dB)	Auto(0~26dB)	
White Balance	N/A	ATW, AWB LOCK, MANUAL, PRESET	Auto(2800K~9000K)	
Backlight Compensation	On(BLC) / Off(NOR) selectable			
Mirror Function	N/A	On(MIR) / Off(NOR) selectable		
Flicker Filter	N/A			YES
Video Out	1.0Vp-p, 75 Ohms(Composite Video), BNC			
S-Video Out	N/A	YES	N/A	
Phase Control	N/A	V-Phase: +/- 360° H-Phase: +/- 360° Adjustable (VR)	V-Phase: +/- 90° Adjustable (VR)	N/A
Lens Mount	C/CS Mount **			
Focus Adjustment	N/A	back-Focus Adjusting Ring	Flange-back Adjusting Ring	
Operating Temperature	0°C to 50°C (32°F to 113°F)			
Storage Temperature	-30°C to 60°C (-22°F to 140°F)			
Operating Humidity	20% to 80%			
Storage Humidity	20% to 95%			
Power Requirement	AC24V or DC12V +/- 10%			DC12V +/- 10%
Power Consumption	1.8W	3.6W	2.4W	1.6W
Power Input	3-Contact Terminal Block			DC Jack
Auto Iris Output	IRIS Connector			
Outward	Metal Case	Plastic Case	Metal Case	
Dimensions	W:53mm (2.1") H:43mm (1.7") D:84mm (3.3")	W:65mm (2.56") H:63.5mm (2.5") D:61mm (2.4")	W:62mm (2.44") H:50mm (1.97") D:95mm (3.74")	
Weight	240g (0.53 lb)	150g (0.33 lb)	290g (0.64 lb)	

* CV-7017S: model with Day & Night Function.

**BV-7105H, CV-7027H, CV-7028H: The package includes the adapter ring for C lens Mount use.

***Specifications are subject to change without notice.



HIGH RESOLUTION



CV-7013HD: Models with DOME case

FEATURES:

- 470TV Line Resolution
- 1.2 lux min. Illumination
- Auto white balance
- Auto gain control
- Iris control VR
- Electronic iris
- Cables with BNC & power connectors included

SPECIFICATIONS

Model Number	CV-7013H	CV-7013HD
Camera Type	Color	
Picture Element	NTSC:768(H) X 494 (V); PAL: 752 (H) X 582 (V)	
Resolution	470TV Line	
Minimum Illumination	1.2 lux / F2.0	
Iris Functions	Auto-IRIS/CCD-IRIS (factory default)	
Auto Iris Type	DC Servo	
DC Iris Level	Adjustable (VR)	
Electronic Shutter	1/60 (1/50) to 1/100,000 Sec.	
Sync System	Internal	
AGC	Auto(0~26dB)	
White Balance	Auto(2800K~9000K)	
Mirror Function	Factory default	
Video Out	1.0Vp-p, 75 Ω (Composite Video), BNC	
Lens Mount	Board Lens, M12-P0.5	
Focus Adjustment	By varifocal lens	
Operating Temperature	0°C to 50°C (32°F to 113°F)	
Storage Temperature	-30°C to 60°C (-22°F to 140°F)	
Operating Humidity	20% to 80%	
Storage Humidity	20% to 95%	
Power supply	DC12V +/- 10%, 1.2W	
Power Input	DC Jack Cable	
Auto Iris Output	4-pin pitch 1.25mm connector	
Outward	Board	Dome
Dimensions	56(W)x52(H)x54(D) mm 2.3"(W)x2.1"(H)x2.2"(D)	130(Dia)x90(H) mm 5.2"(Dia)x3.6"(H)
Weight	62g (0.137 lb)	230g (0.51 lb)

*Specifications are subject to change without notice.

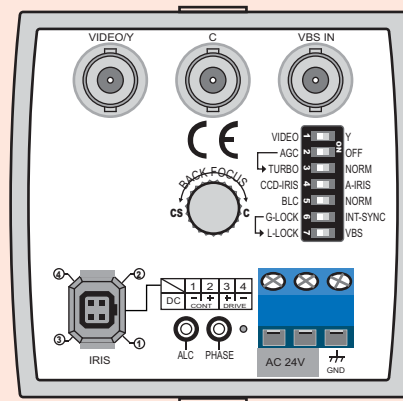
CV-7007

PREMIUM MODEL



Lens not included

CV-7007 Rear Panel



FEATURES:

- 340 TV Lines Resolution
- 1.0 lux min. Illumination
- Turbo AGC
- Backlight Compensation
- Switchable auto & electric Iris
- Internal, External (VBS), and Line-Lock Sync.
- Built-in Isolated Power Transformer
- Patented user friendly back focus adjustment
- Auto White Balance
- Composite and Y/C Video Output
- Aperture Compensation

CV-7028, CV-7028B

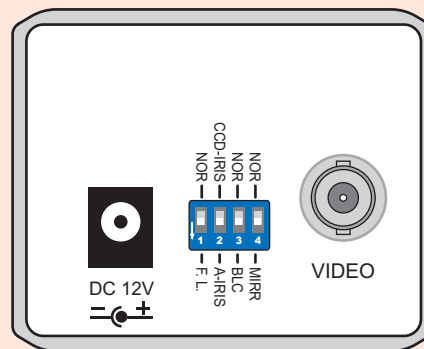
PREMIUM MODEL

CV-7028B: model without Day & Night function



Lens not included

CV-7028(B) Rear Panel



FEATURES:

- 340 TV lines Resolution
 - 1/3" CCD day & night color camera (low light acceptable)(CV-7028 only)
 - Auto white balance
 - Auto gain control
 - Compatible with either C or CS lens mount *
 - Iris control VR
 - Switchable auto & electronic iris
 - Using flicker filter switch effectively decrease the screen flickering
 - Backlight compensation
 - Mirror reflection
- * The package includes the adapter ring for C lens mount use.

CV-7008

STANDARD MODEL

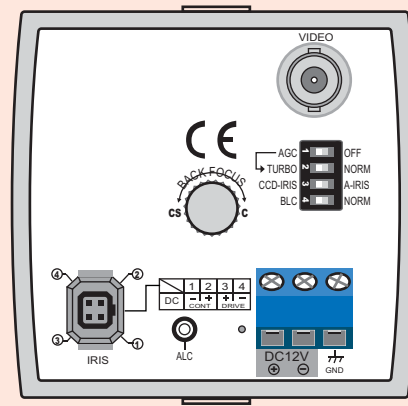


Lens not included

FEATURES:

- 340 TV line resolution
- 1.0 lux min. Illumination
- Turbo AGC
- Backlight Compensation
- Switchable auto & electric Iris
- Patented user friendly back focus adjustment

BV-7008 Rear Panel



BV-7105E

STANDARD MODEL

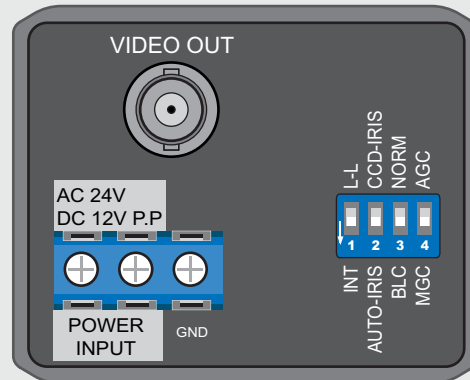


Lens not included

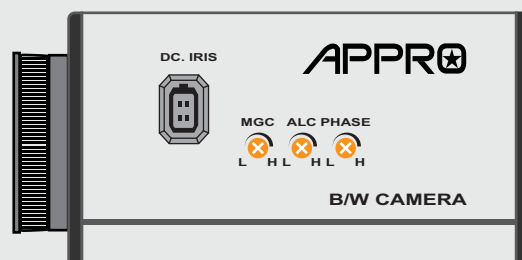
FEATURES:

- 420 TV Line Resolution
- 0.05 lux min. Illumination
- Switchable DC Drive auto iris & CCD Iris Controls
- BLC, AGC, MGC controls
- Isolation Power Circuit
- Switchable Internal, line-lock Sync.

BV-7105E Rear Panel



BV-7105E Side View



SPECIFICATIONS

Model Number	BV-7105E	CV-7008	CV-7007	CV-7028(B)*
Camera Type	B/W	Color		Color (Day&Night)
Image Device	1/3" Interline transfer type CCD			
Picture Element	EIA:510X492 CCIR:500X582	NTSC: 512(H) X 492 (V) / PAL: 512 (H) X 582 (V)		
Resolution	420TV Line	340TV Line		
Minimum Illumination	0.05 lux / F1.2	1.0 lux / F1.2	0.8 lux / F1.2	
Iris Functions	Auto-IRIS/CCD-IRIS selectable			
Auto Iris Type	DC Servo			
DC Iris Level	Adjustable (VR)			
Electronic Shutter	1/60 (1/50) to 1/100,000 Sec.	1/60 (1/50) to 1/16,000 Sec.		1/60 (1/50) to 1/100,000 Sec.
Sync System	Internal,Line Lock	Internal	VBS, Internal, and Line Lock	Internal
AGC	Auto / Manual	Turbo / On / Off		Auto(0~26dB)
White Balance	N/A	Auto		
Backlight Compensation	On(BLC) / Off(NOR) selectable			
Mirror Function	N/A			Switchable
Flicker Filter	N/A			YES
Video Out	1.0Vp-p, 75 Ω(Composite Video), BNC			
Y/C Out	N/A		Y: 1.0Vp-p, C: 0.28Vp-p, 75Ω	N/A
Phase Control	N/A		V-Phase: +/- 90°	N/A
Lens Mount	C/CS Mount **			
Focus Adjustment	N/A	back-Focus Adjusting Ring		Flange-back Adjusting Ring
Operating Temperature	0°C to 50°C (32°F to 113°F)			
Storage Temperature	-30°C to 60°C (-22°F to 140°F)			
Operating Humidity	20% to 80%			
Storage Humidity	20% to 95%			
Power Requirement	AC24V or DC12V +/- 10%	DC12V +/- 10%	AC24V +/- 10%	DC12V +/- 10%
Power Consumption	1.8W	2W	3W	1.6W
Power Input	3-Contact Terminal Block			DC Jack
Auto Iris Output	IRIS Connector			
Outward	Metal Case	Plastic Case		Metal Case
Dimensions	W: 53mm/2.1inch H: 43mm/1.7inch D: 84mm/3.3inch	W: 65mm/2.56inch H: 63.5mm/2.5inch D: 61mm/2.4inch		W: 62mm/2.44inch H: 50mm/1.97inch D: 95mm/3.74inch
Weight	240g (0.53 lb)	150g (0.33 lb)		290g (0.64 lb)

* CV-7028B: model without Day & Night Function.

**BV-7105E, CV-7028(B): The package includes the adapter ring for C lens Mount use.

***Specifications are subject to change without notice.



CV-7008S

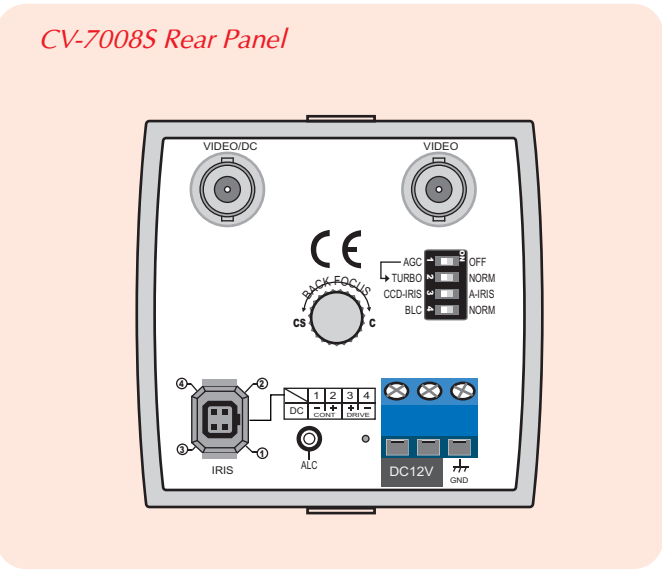
POWER OVER VIDEO (P.O.V.)



Lens not included

FEATURES:

- 340 TV line resolution
- 1.0 lux min. Illumination
- Turbo AGC
- Backlight compensation
- Switchable auto & electric Iris
- Patented user friendly back focus adjustment



CV-7008S Rear Panel

- Aperture compensation
- Auto white balance
- Power over video operation
- Option: P.O.V. Adapter ADP-6002 (see Accessories section)



BV-7105S

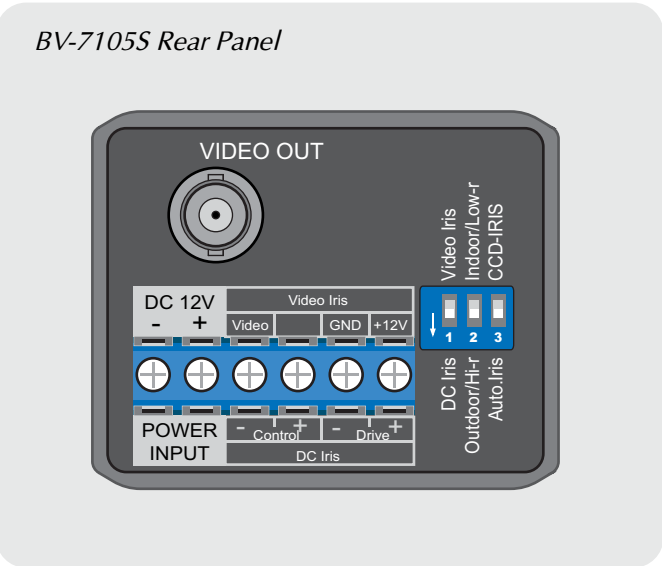
POWER OVER VIDEO (P.O.V.)



Lens not included

FEATURES:

- 420 TV line resolution
- 0.05 lux min. Illumination
- Gamma / Back light correction
- Switchable auto & electronic iris
- Switchable video & DC drive auto iris



BV-7105S Rear Panel

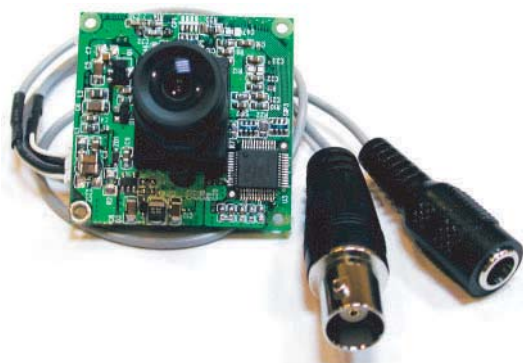
- Power over video operation
- Option: P.O.V. Adapter ADP-6001 (see Accessories section)

SPECIFICATIONS

Model Number	BV-7105S	CV-7008S
Camera Type	B/W	Color
Image Device	1/3" Interline transfer type CCD	
Picture Element	EIA:510X492 CCIR:500X582	NTSC: 512(H) X 492 (V) PAL: 512 (H) X 582 (V)
Resolution	420TV Line	340TV Line
Minimum Illumination	0.05 lux / F1.2	1.0 lux / F1.2
Iris Functions	Auto-IRIS/CCD-IRIS selectable	
Auto Iris Type	DC Servo	
DC Iris Level	Adjustable (VR)	
Electronic Shutter	1/60 (1/50) to 1/100,000 Sec.	1/60 (1/50) to 1/16,000 Sec.
Sync System	Internal	
AGC	Auto(5~25dB)	Turbo / On / Off
White Balance	N/A	Auto
Backlight Compensation	On(BLC) / Off(NOR) selectable	
Video Out	1.0Vp-p, 75 Ω (Composite Video), BNC	
Lens Mount	C/CS Mount **	
Focus Adjustment	N/A	back-Focus Adjusting Ring
Operating Temperature	0°C to 50°C (32°F to 113°F)	
Storage Temperature	-30°C to 60°C (-22°F to 140°F)	
Operating Humidity	20% to 80%	
Storage Humidity	20% to 95%	
Power Requirement	Power Over Video or DC12V +/- 10%	
Power Consumption	3.6W at P.O.V.	2.0W
Power Input	Power Over Video or Terminal Block	
Auto Iris Output	Terminal Block	IRIS Connector
Outward	Metal Case	Plastic Case
Dimensions	53(W)x43(H)x84(D) mm 2.1"(W)x1.7"(H)x3.3(D)"	65(W)x63.5(H)x61(D) mm 2.56"(W)x2.5"(H)x2.4"(D)
Weight	220g (0.49 lb)	150g (0.33 lb)

*Specifications are subject to change without notice.

NOTE:



CV-7012, CV-7012D: model with Day & Night function
CV-7012D, CV-7012BD: model with DOME case

FEATURES:

- 340 TV Line Resolution
- 0.5 lux min. Illumination
- Electronic iris
- Auto white balance
- Auto gain control
- With micro lens
- Day & night color camera, low light acceptable. (CV-7012, CV-7012D only)
- Cables with BNC & power connectors included

SPECIFICATIONS

Model Number	CV-7012	CV-7012B	CV-7012D	CV-7012BD
Camera Type	Color(Day&Night)	Color	Color(Day&Night)	Color
Picture Element	NTSC:512(H) X 492 (V); PAL: 512 (H) X 582 (V)			
Resolution	340TV Line			
Minimum Illumination	1.0 lux / F2.0			
Iris Functions	CCD-IRIS			
Electronic Shutter	1/60 (1/50) to 1/100,000 Sec.			
Sync System	Internal			
AGC	Auto(0~26dB)			
White Balance	Auto(2800K~9000K)			
Mirror Function	Factory default			
Video Out	1.0Vp-p, 75 Ω(Composite Video), BNC			
Lens Mount	Board Lens, M12-P0.5			
Operating Temperature	0°C to 50°C (32°F to 113°F)			
Storage Temperature	-30°C to 60°C (-22°F to 140°F)			
Operating Humidity	20% to 80%			
Storage Humidity	20% to 95%			
Power supply	DC12V +/- 10%, 1.0W			
Power Input	DC Jack Cable			
Outward	Board		Dome	
Dimensions	88(H)x30(D) mm 5"(H)x1.2"(D)		88(Dia)x56(H) mm 3.5"(Dia)x2.2"(H)	
Weight	32g (0.07 lb)		100g (0.22 lb)	

*Specifications are subject to change without notice.