SIEMENS



1/2" High resolution day-night colour camera

CCBS1225-LP

- Automatic switching between colour and monochrome output
- Excellent sensitivity to IR illumination with automatic IR filter
- Extended dynamic range for back-light compensation
- Low speed shutter, integrated picture storage, and peak white inversion
- Easy on-screen adjustment and remote controll via serial interface

A high resolution colour camera that automatically switches to monochrome operation as lighting levels fall. The CCBS1225-LP uses the latest CCD technology and advanced digital signal processing (DSP) techniques to provide crisp, aperture corrected, low-smear images 24 hours a day.

· Great low-light performance

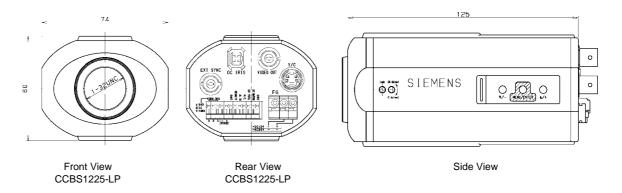
CCBS1225-LP uses the high sensitivity EXviewHAD CCD™ from Sony that provides high resolution and very low smear, even when viewing scenes containing strong light sources.

· Excellent IR sensitivity

With an automatic mechanical IR-cut filter and the camera's exceptional sensitivity, the CCBS1225-LP is extremely well suited to night time surveillance applications in which infrared illumination is used. The IR-cut filter enables the camera to reproduce natural colours in daylight mode.

· Back-light compensation with extended dynamic range

Through the application of the latest DSP technology, backlight pictures that have areas with differing levels of lighting can be corrected. With this feature, both dark and bright picture segments can be optimally exposed. Alternatively a standard backlight compensation function with 49 zones can be selected.



Technical data

15.625 Hz (horizontally)	Television standard	625 lines, 50 fields/s, 50 Hz (vertically),	
Image sensor	relevision standard	• • • • • • • • • • • • • • • • • • • •	
T52 (H) x 582 (V) active pixels	Image sensor	· · · · · · · · · · · · · · · · · · ·	
Horizontal resolution >450 lines Minimum illumination Standard: 0,008 Lux (F1.2, AGC 39 dB) at 50 IRE (monochrome) 0,045Lux (F1.2, AGC 39 dB) at 50 IRE (colour) Low speed shutter Up to 400x (= 8s) Electronic shutter Auto, 8s;4s;2s;1s;1/2s;1/4s;1/8s;1/15s;1/25s;1/50s;1/120s; 1/250s;1/500s;1/1.000s;1/2.000s;1/4.000s;1/10.000s; 1/20.000s;1/30.000s Back-light compensation Back-light compensation with programmable grid (49 zone) Peak white inversion Threshold and inversion level adjustable Video output 1Vpp composite (75 Ohm), BNC Automatic gain control (AGC) Auto or manually adjustable max. 39dB Signal/noise ratio >51 dB Gamma Standard 0,45; manually adjustable up to 1,00 Al Lens control Direct drive or video drive Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	mage sensor		
Minimum illumination	Horizontal resolution		
Low speed shutter Auto, 8s;4s;2s;1s;1/2s;1/4s;1/8s;1/15s;1/25s;1/50s;1/120s; 1/250s;1/500s;1/1.000s;1/2.000s;1/4.000s;1/10.000s; 1/20.000s;1/30.000s Back-light compensation Back-light compensation with programmable grid (49 zone) Peak white inversion Threshold and inversion level adjustable Video output 1Vpp composite (75 Ohm), BNC Automatic gain control (AGC) Auto or manually adjustable max. 39dB Signal/noise ratio > 51 dB Gamma Standard 0,45; manually adjustable up to 1,00 Al Lens control Direct drive or video drive Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	-		
Low speed shutter Auto, 8s;4s;2s;1s;1/2s;1/4s;1/8s;1/15s;1/25s;1/50s;1/120s; 1/250s;1/500s;1/1.000s;1/2.000s;1/4.000s;1/10.000s; 1/20.000s;1/30.000s Back-light compensation Back-light compensation with programmable grid (49 zone) Peak white inversion Threshold and inversion level adjustable Video output 1Vpp composite (75 Ohm), BNC Automatic gain control (AGC) Auto or manually adjustable max. 39dB Signal/noise ratio > 51 dB Gamma Standard 0,45; manually adjustable up to 1,00 Al Lens control Direct drive or video drive Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm		0.008 Lux (F1.2, AGC 39 dB) at 50 IRE (monochrome)	
Low speed shutter Electronic shutter Auto, 8s;4s;2s;1s;1/2s;1/4s;1/8s;1/15s;1/25s;1/50s;1/120s; 1/250s;1/500s;1/1.000s;1/2.000s;1/4.000s;1/10.000s; 1/20.000s;1/30.000s Back-light compensation Back-light compensation with programmable grid (49 zone) Peak white inversion Threshold and inversion level adjustable Video output 1Vpp composite (75 Ohm), BNC Auto ar manually adjustable max. 39dB Signal/noise ratio 5 1 dB Gamma Standard 0,45; manually adjustable up to 1,00 Al Lens control Direct drive or video drive Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm			
1/250s;1/500s;1/1.000s;1/2.000s;1/4.000s;1/10.000s; 1/20.000s;1/30.000s Back-light compensation Back-light compensation with programmable grid (49 zone) Peak white inversion Threshold and inversion level adjustable Video output 1Vpp composite (75 Ohm), BNC Automatic gain control (AGC) Auto or manually adjustable max. 39dB Signal/noise ratio > 51 dB Gamma Standard 0,45; manually adjustable up to 1,00 Al Lens control Direct drive or video drive Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	Low speed shutter	·	
1/20.000s;1/30.000s	Electronic shutter	Auto, 8s;4s;2s;1s;1/2s;1/4s;1/8s;1/15s;1/25s;1/50s;1/120s;	
Back-light compensationBack-light compensation with programmable grid (49 zone)Peak white inversionThreshold and inversion level adjustableVideo output1Vpp composite (75 Ohm), BNCAutomatic gain control (AGC)Auto or manually adjustable max. 39dBSignal/noise ratio> 51 dBGammaStandard 0,45; manually adjustable up to 1,00Al Lens controlDirect drive or video driveSynchronisationInternal: with crystal External: mains, video or HD/VD synchronisation,Picture storage4 PicturesCamera title24 character title (position adjustable)Remote controlRS485 and RS232 (TTL)Recommended power source12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10%Power consumptionappx.5.0 WTemperature range (operating)-10 to +50°C (in operation)Relative humidity30 to 90%, non-condensingDimensions (W x H x D)74 x 60 x 125 mm		1/250s;1/500s;1/1.000s;1/2.000s;1/4.000s;1/10.000s;	
Peak white inversion Threshold and inversion level adjustable Video output Automatic gain control (AGC) Auto or manually adjustable max. 39dB Signal/noise ratio > 51 dB Gamma Standard 0,45; manually adjustable up to 1,00 Al Lens control Direct drive or video drive Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption Temperature range (operating) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm		1/20.000s;1/30.000s	
Video output1Vpp composite (75 Ohm), BNCAutomatic gain control (AGC)Auto or manually adjustable max. 39dBSignal/noise ratio> 51 dBGammaStandard 0,45; manually adjustable up to 1,00Al Lens controlDirect drive or video driveSynchronisationInternal: with crystalExternal: mains, video or HD/VD synchronisation,Picture storage4 PicturesCamera title24 character title (position adjustable)Remote controlRS485 and RS232 (TTL)Recommended power source12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10%Power consumptionappx.5.0 WTemperature range (operating)-10 to +50°C (in operation)Relative humidity30 to 90%, non-condensingDimensions (W x H x D)74 x 60 x 125 mm	Back-light compensation	Back-light compensation with programmable grid (49 zone)	
Auto or manually adjustable max. 39dB Signal/noise ratio > 51 dB Gamma Standard 0,45; manually adjustable up to 1,00 Al Lens control Direct drive or video drive Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	Peak white inversion	Threshold and inversion level adjustable	
Signal/noise ratio > 51 dB Gamma Standard 0,45; manually adjustable up to 1,00 Al Lens control Direct drive or video drive Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	Video output	1Vpp composite (75 Ohm), BNC	
GammaStandard 0,45; manually adjustable up to 1,00Al Lens controlDirect drive or video driveSynchronisationInternal: with crystal External: mains, video or HD/VD synchronisation,Picture storage4 PicturesCamera title24 character title (position adjustable)Remote controlRS485 and RS232 (TTL)Recommended power source12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10%Power consumptionappx.5.0 WTemperature range (operating)-10 to +50°C (in operation)Relative humidity30 to 90%, non-condensingDimensions (W x H x D)74 x 60 x 125 mm	Automatic gain control (AGC)	Auto or manually adjustable max. 39dB	
Al Lens control Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage Camera title Remote control Recommended power source Power consumption Temperature range (operating) Relative humidity Direct drive or video drive A Pictures 24 character title (position adjustable) RS485 and RS232 (TTL) 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity Dimensions (W x H x D) 74 x 60 x 125 mm	Signal/noise ratio	> 51 dB	
Synchronisation Internal: with crystal External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	Gamma	Standard 0,45; manually adjustable up to 1,00	
External: mains, video or HD/VD synchronisation, Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	Al Lens control	Direct drive or video drive	
Picture storage 4 Pictures Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	Synchronisation	Internal: with crystal	
Camera title 24 character title (position adjustable) Remote control RS485 and RS232 (TTL) Recommended power source 12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10% Power consumption appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm		External: mains, video or HD/VD synchronisation,	
Remote controlRS485 and RS232 (TTL)Recommended power source12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10%Power consumptionappx.5.0 WTemperature range (operating)-10 to +50°C (in operation)Relative humidity30 to 90%, non-condensingDimensions (W x H x D)74 x 60 x 125 mm	Picture storage	4 Pictures	
Recommended power source12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10%Power consumptionappx.5.0 WTemperature range (operating)-10 to +50°C (in operation)Relative humidity30 to 90%, non-condensingDimensions (W x H x D)74 x 60 x 125 mm	Camera title	24 character title (position adjustable)	
Power consumption appx.5.0 W Temperature range (operating) -10 to +50°C (in operation) Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	Remote control	RS485 and RS232 (TTL)	
Temperature range (operating) Relative humidity Dimensions (W x H x D) -10 to +50°C (in operation) 30 to 90%, non-condensing 74 x 60 x 125 mm	Recommended power source	12 VDC, appx. 500 mA or 24 VAC, appx. 400 mA ±10%	
Relative humidity 30 to 90%, non-condensing Dimensions (W x H x D) 74 x 60 x 125 mm	Power consumption	appx.5.0 W	
Dimensions (W x H x D) 74 x 60 x 125 mm	Temperature range (operating)	-10 to +50°C (in operation)	
· · · · · · · · · · · · · · · · · · ·	Relative humidity	30 to 90%, non-condensing	
Weight 0.45 kg	Dimensions (W x H x D)	74 x 60 x 125 mm	
	Weight	0.45 kg	

Details for ordering

Туре	Part no.	Designation	Weight
CCBS1225-LP	2GF1118-8EA	1/2" DSP High Resolution PAL Day-night camera	0.45 kg
		> 450TVL, 12 VDC or 24 VAC, 50 Hz	