

## CCAW1417-LPI

## High-Resolution, Autofocus Colour Camera



The CCAW1417-LPI is a high-resolution (560 TVL) colour camera with built-in autofocus zoom lens with max. 22x zoom. The camera is designed for indoor use under variable lighting conditions.

All the camera settings such as white balance, exposure settings, setting of back light compensation (BLC), Line-Lock synchronisation or digital noise reduction are done via the OSD menu. Each camera can have an individual camera text assigned to it. It is possible to specify via the display menu which text and which detailed information for the setting of the camera is to be displayed in the video image.

The camera offers the option to be switched from colour to BW operation by means of an external switch. Various parameters of the camera can be superimposed in the video image. A small live image can be superimposed by means of the PIP function. In this way it is thus possible to freeze an image sequence with the freeze function while the live image continues to be displayed in the PIP window.

The camera can be controlled and parameterised with the Siemens SCU protocol, the Bewator-Molynx protocol, or the Pelco protocol via the built-in RS485 interface.

- Day/Night (D/N) high-resolution
- Wide dynamic range (WDR)
- Digital noise reduction (DNR)
- Auto exposure (AE)
- Back-light compensation (BLC)
- Digital zoom (D-Zoom)
- Day/Night switching (D/N)
- Freeze
- Digital slow shutter (DSS)

- Automatic white balance (AWB)
- Automatic gain control (AGC)
- On-screen menu (OSD)
- Negative/Positive switching (NEGA/POSI)
- E function (H/V flip, rotation)
- Motion detection and face detection
- Privacy masking
- Zoom preset and tour function
- Home preset

Answers for infrastructure.





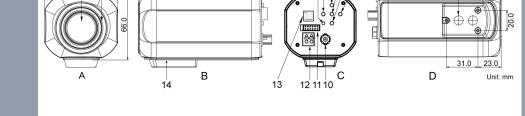
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- 3 Power indicator
- 4 Far button
- 5 Tele button
- 6 Menu butto
- 7 Wide button
- Near button
- 9 %-inch thread tripod mount no

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- 12 DID quitab
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- A Front view
- B Side view
- C Rear view
- D Bottom view



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## Details for ordering

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Туре	Part number	Designation	Weight
CCAW1417-LPI	S54561-C34-A1	¼-inch Camera D/N WD AF	0.4 kg

345678

## Technical data

	CCAW1417-LPI	
Electrical		
Power requirements	12 V DC / 24 V AC, 0.6 A, 50 Hz	
Power consumption	6.5 VA	
General		
lmage sensor	¼-inch SONY 760H EXview HAD CCD	
Pixels	795 (H) x 596 (V)	
Scanning system	2:1 interlace	
Scanning frequency	15,625 kHz (H), 50 Hz (V)	
Synchronisation	Internal/external: line lock	
Horizontal resolution	Colour: 560 TV lines B/W: 600 TV lines	
Min. Illumination	Colour: 0.5 lux B/W: 0.05 lux Slow shutter: 0.001 lux 0.5 lux at F=1.6 (AGC on, 50 IRE video output)	
Video output	1.0 Vpp (75 Ω, composite)	
Signal/noise ratio	50 dB (AGC off)	
Functions		
Wide dynamic range (WDR)	On/Off/Level (x512, 48 dB)	
Back-light compensation (BLC)	Auto/Manual (Area, Level)/Off	
Day/night	Colour/BW/Auto/EXT	
Motion detection (MD)	On/Off (Area/Sensitivity)	
Slow-speed shutter	2x – 128x	
Digital noise reduction (DNR)	2D/3D	
Face detection (FD)	On/off	
Privacy masking (PM)	Max. 16 zones, mosaic function	

White balance (WB)       AWBWAWBIndoorfOutdoor/Manual/CRS (Colour Rolling Suppression)         Auto exposure (AE)       Auto1Auto2/Shutter Priority/Manual         Iris control       Auto1Auto2/Shutter Priority/Manual         Iris control       Auto1Auto2/Shutter Priority/Manual         Iris control (AGC)       MINLOW/MDI/HGH (max. 30 dB)         Shutter speed       Normai: 11100000 s         Title       A – Z / 0 – 9         Display       On/Off/Push On (DISP1/DISP2)         Brightness       Adjustable in steps from 0 – 15         Zoom presets       10         Zoom four       1 tour / 10 presets         Alarm mode       On/Off/Dwall Time         Remote configuration       RS -232: Siemens B (grammeter setting)         Ref       Stappress         Alard MacQUSGODOU       Camera ID         If rate       2400/M300/900/19200         Camera ID       1 – 255         Effect       Shappress, Nega/Posi, D-FLP, Freeze, HHES, 2-3 DNR         Home preset       Off/Home Preset Select/Dwell Time         Lens       Colour Anual/Push AF         Distance       0.1 m/1.0 m/1.5 m/2.5 m/6.0 m         Total zoom       22x optical zoom, 16x digital zoom (vide AF) <t< th=""><th></th><th>CCAW1417-LPI</th><th></th></t<>		CCAW1417-LPI	
Iris control   Automatic     Automatic gain control (AGC)   MINLOW/MID/HGH (max. 30 dB)     Shutter speed   Normal: 1/100000 s     Title   A - 27 (0 - 9     Display   On/Off/Push On (DISP1/DISP2)     Brightness   Adjustable in steps from 10 - 50     Sharpness   Adjustable in steps from 0 - 15     Zoom prests   10     Zoom tour   1 tour / 10 presets     Alarm mode   On/Off/Dwell Time     Remote configuration   RS-232: Siemens B (parameter setting)     Bit rate   2400/4800/9600/19200     Camera ID   1 - 255     Effect   Sharpness, DegaPosi, D-FLP, Freeze, Hi-RES, 2-3 DNR     Home preset   Off/Home Preset Select/Dwell Time     Lens   Cocus mode     Focus mode   Auto/Manual/Push AF     Distance   0.1 m/1.5 m/2.5 m/6.0 m     Total zoom   22x optical zoom, 16x digital zoom (video AF)     Focal length   3.9 - 85.8 mm     Aperture   F1.6 (wide-angle) - F3.7 (tele)     Angle of view   Horizontal: 49.5° (wide-angle) - 2.6° (tele)     Connections and environmental conditions   Power input     Ovideo output   BNC connector / TP output     Environmental operating   -10 to +50 °C     Engletise humidity   0 - 96% (non-condensing) <td>White balance (WB)</td> <td></td> <td></td>	White balance (WB)		
Automati gain control (AGC) MINILOW/MID/HIGH (max. 30 dB) Shutter speed Normal: 1/100000 s Title A - 2/ 0 - 9 Display On/Off/Push On (DISP1/DISP2) Brightness Adjustable in steps from 10 - 50 Sharpness Adjustable in steps from 0 - 15 Zoom presets 10 Zoom tour 1 tour / 10 presets Alarm mode On/Off/Dwell Time Remote configuration R5-232: Siemens B (parameter setting) R4-485: Siemens B, 5; Molynx; Pelco DF-P Bit rate 2400/4800/9600/19200 Camera ID 1 - 255 Effect Sharpness, NegalPosi, D-FLIP, Freeze, HI-RES, 2-3 DNR Home preset Off/Home Preset Select/Dwell Time Lens Focus mode Auto/Manual/Push AF Distance 0.1 m/1.5 m/2.5 m/6.0 m Total zoom 22x optical zoom, 16x digital zoom (video AF) Focal length 3.9 - 95.8 mm Aperture F1.6 (wide-angle) - 7.6" (tele) Connection same and environmental conditions Power input 2-pin connection terminal Video output BINC connector / TP output Environmental operating Environmental op	Auto exposure (AE)	Auto1/Auto2/Shutter Priority/Manual	
Shutter speed     Normal: 1/100000 s       Title     A - Z 10 - 9       Display     On/Off/Push On (DISP1/DISP2)       Brightness     Adjustable in steps from 10 - 50       Sharpness     Adjustable in steps from 0 - 15       Zoom presets     10       Zoom tour     1 tour / 10 presets       Alarm mode     On/Off/Dwell Time       Remote configuration     RS-232: Siemens B, Cparameter setting)       Rist ate     2400/4800/9600/19200       Camera ID     1 - 255       Effect     Sharpness, Nega/Posi, D-FLP, Freeze,       Hin RES, 2-3 DNR     Home preset       Home preset     Off/Home Preset Select/Dwell Time       Lens        Focus mode     0.1 m/1.0 m/1.5 m/2.5 m/6.0 m       Total zoom     22x optical zoom (video AF)       Focal length     3.9 - 85.8 mm       Aperture     F1.6 (wide-angle) - F3.7 (tale)       Angle of view     Horizontal: 49.5" (wide-angle) - 2.6" (tale)       Connections and environmental conditions     Power input       Video output     BNC connector / TP output       Environmental operating     -10 to +50 °C       Relative humidity     0 - 96% (non-condensing)   <	Iris control	Automatic	
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Remote configuration     RS-232: Siemens B (parameter setting) RS-485: Siemens B, S; Molynx; Pelco D/-P       Bit rate     2400/4800/9600/19200       Camera ID     1 – 255       Effect     Sharpness, NegalPosi, D-FLIP, Freeze, H-RES, 2: 3 DNR       Home preset     Off/Home Preset Select/Dwell Time       Lens        Focus mode     Auto/Manual/Push AF       Distance     0.1 m/1.0 m/1.5 m/2.5 m/6.0 m       Total zoom     22x optical zoom, 16x digital zoom (video AF)       Focal length     3.9 – 85.8 mm       Aperture     F1.6 (wide-angle) – 7.7 (tele)       Angle of view     Horizontal: 49.5° (wide-angle) – 2.6° (tele)       Connections and environmental conditions     Power input       Power input     2-pin connector / TP output       Environmental operating     -10 to +50 °C       temperature     -20 to +60 °C       Dimensions (W X H x D)     72 x 66 x 121.4 mm       Weight     0.40 kg       TP output     Adjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	Zoom tour	1 tour / 10 presets	
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Video outputBNC connector / TP outputEnvironmental operating temperature-10 to +50 °CRelative humidity0 – 96% (non-condensing)Storage temperature-20 to +60 °CDimensions (W x H x D)72 x 66 x 121.4 mmWeight0.40 kgTP outputVideo outputAdjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	Connections and environmental conditions		
Environmental operating temperature-10 to +50 °CRelative humidity0 – 96% (non-condensing)Storage temperature-20 to +60 °CDimensions (W x H x D)72 x 66 x 121.4 mmWeight0.40 kgTP outputVideo outputAdjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	Power input	2-pin connection terminal	
temperature-10 to +50 °CRelative humidity0 – 96% (non-condensing)Storage temperature-20 to +60 °CDimensions (W x H x D)72 x 66 x 121.4 mmWeight0.40 kgTP outputVideo outputAdjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	Video output	BNC connector / TP output	
Storage temperature-20 to +60 °CDimensions (W x H x D)72 x 66 x 121.4 mmWeight0.40 kgTP outputVideo outputAdjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp		-10 to +50 °C	
Dimensions (W x H x D)   72 x 66 x 121.4 mm     Weight   0.40 kg     TP output     Video output   Adjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	Relative humidity	0 – 96% (non-condensing)	
Weight   0.40 kg     TP output     Video output   Adjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	Storage temperature	-20 to +60 °C	
TP output     Video output     Adjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	Dimensions (W x H x D)	72 x 66 x 121.4 mm	
Video output   Adjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	Weight	0.40 kg	
	TP output		
Frequency accentuation Adjustable: 0 dB, 6 dB, 12 dB	Video output	Adjustable: 2.0 Vpp, 2.6 Vpp, 3.2 Vpp	
	Frequency accentuation	Adjustable: 0 dB, 6 dB, 12 dB	

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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