CCAW1417-LPI

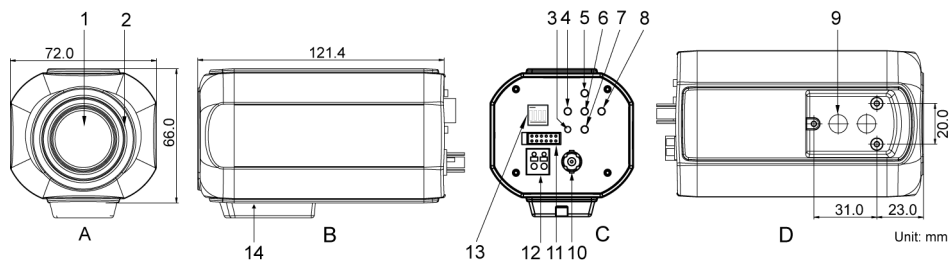## High-Resolution, Autofocus Colour Camera

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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■ Details for ordering

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

■ Technical data

	CCAW1417-LPI
Electrical	
Power requirements	12 V DC / 24 V AC, 0.6 A, 50 Hz
Power consumption	6.5 VA
General	
Image 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

	CCAW1417-LPI
White balance (WB)	AWB/WAWB/Indoor/Outdoor/Manual/CRS (Colour Rolling Suppression)
Auto exposure (AE)	Auto1/Auto2/Shutter Priority/Manual
Iris control	Automatic
Automatic gain control (AGC)	MIN/LOW/MID/HIGH (max. 30 dB)
Shutter speed	Normal: 1/100000 s
Title	A – Z / 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	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, Nega/Posi, 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/1.0 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) – F3.7 (tele)
Angle of view	Horizontal: 49.5° (wide-angle) – 2.6° (tele)
Connections and environmental conditions	
Power input	2-pin connection terminal
Video output	BNC connector / TP output
Environmental operating temperature	-10 to +50 °C
Relative humidity	0 – 96% (non-condensing)
Storage temperature	-20 to +60 °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
Frequency accentuation	Adjustable: 0 dB, 6 dB, 12 dB

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