

HAC-HFW1209CLP-LED

HAC-HFW1209CLP-LED 2MP Full-color HDCVI Bullet Camera

- The parameters and datasheets below can only be applied to 1209-S2 series.
- 24/7 color imaging, Max. 30 fps@1080p
- 20 m illumination distance
- Super Adapt
- 3.6 mm fixed lens (2.8 mm optional)
- CVI/CVBS/AHD/TVI switchable
- IP67, 12VDC

Type	Analog
Megapixel	2 MP
Objective	Motionless
Focus	2.8 mm
Lighting	LED
Lighting distance	20 m
Protection	IP67
Material	Plastic



Camera	
Image Sensor	2MP CMOS
Effective Pixels	1920 (H) × 1080 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.005 lux@F1.6 (Color) 0 lux (Illuminator on)
S/N Ratio	More than 65dB
IR Distance	20 m (65.62 ft)
IR On/Off Control	Auto / Manual
IR LEDs	1
Lens	
Lens Type	Fixed-focal

Mount Type	M12	
Focal Length	3.6mm (2.8mm Optional)	
Max Aperture	F1.6	
Angle of View	2.8 mm: H: 108°; V: 58°; D: 127° 3.6 mm: H: 84°; V: 43°; D: 102°	
Focus Control	N/A	
Close Focus Distance	2.8 mm: 0.7 m (2.3 ft) 3.6 mm: 1.3 m (4.27 ft)	
DORI Distance		
Note: The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.		
	2.8mm	3.6mm
Detect	42.2 m (138.45 ft)	59.0 m (193.57 ft)
Observe	16.9 m (55.45 ft)	23.6 m (77.43 ft)
Recognize	8.4 m (27.56 ft)	11.8 m (38.71 ft)
Identify	4.2 m (13.78 ft)	5.9 m (19.36 ft)

Pan / Tilt / Rotation	
Pan/Tilt/Rotation	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°
Video	
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; CVBS: PAL: PAL: 960H;

	NTSC: 960H;
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
Day/Night	Color
BLC Mode	BLC / HLC / DWDR;
WDR	DWDR
Gain Control	Auto
Noise Reduction	3D NR
White Balance	Auto / Manual

Certifications	
Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035 FCC: 47 CFR FCC Part 15, Subpart B
Interface	
Eelectrical	
Power Supply	12V DC ±30%
Power Consumption	Max 3.3 W (12 V DC, LED on)
Environmental	
Operating Conditions	-40 °C to +60 °C (-40 °F to +140 °F) <95% (RH), non-condensing
Storage Conditions	-40 °C to +60 °C (-40 °F to +140 °F)
Ingress Protection & Vandal Resistance	IP67
Construction	
Casing	Plastic
Dimensions	163.4 mm × 69.7 mm × 70.0 mm (6.43" × 2.75" × 2.75")
Net Weight	0.17 kg (0.37 lb)
Gross Weight	0.27kg (0.60 lb)