

# Flame Detection Camera **Kodio** Rev 0.1



## C1080PBL-AF-F2/C1080BL-AF-F2

Full-HD camera supporting Flame Detection function

### Features

#### [Key Features]

- Full-HD camera supporting flame detection function
- Quick & accurate detection by flame's wavelength detection
- Minimized false-alarm by using 2 different sensors

#### [Main Features]

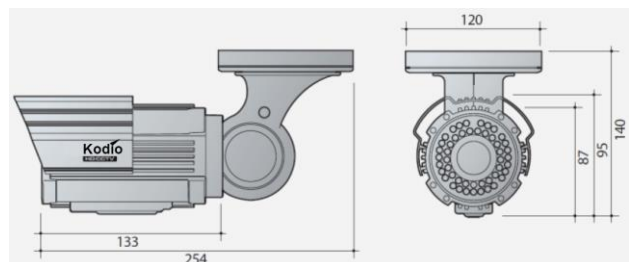
- 1/3", 2.1M CMOS progressive image sensor
- DC Iris, 2.8mm~11mm, F1.6, IR Corrective 3 Megapixel Lens
- HD-SDI 1080p30/25, 720p30/25 or EX-SDI video selectable
- Max. 400m Full-HD video transmission by EX-SDI technology
- One-Push Auto Focus, Zoom/Focus Control
- Horizontal/Vertical resolution over 1200TV lines
- Superior performance under low light environment (BW: 0.0005 Lux/Color: 0.2Lux@50IRE, F1.6, 3100K, DSS off)
- 2 different settings of Exposure & Backlight for Daytime/Nighttime
- 3DNR (Noise Reduction)
- Backlight compensation of WDR/BLC/HLC
- Privacy zone masking (Color selectable)
- True Day&Night with IR cut filter removable
- Anti-Motion Blur function for fast moving object
- De-Fog function
- Smart IR function (No Saturation)
- Test Pattern output (Color bar, Stress Pattern)
- Remote controller for OSD menu control and CBVS output
- Dust-proof, Water-proof of IP66

#### [Additional feature of C1080PBL-AF-F2]

- Camera power supply from DVR through Coax cable (PoC)
- Fire alarm signal transmission to DVR, sensitivity adjustment & camera menu control from DVR through Coax cable (CoC)

### Dimensions (Unit : mm)

C1080PBL-AF-F2  
C1080BL-AF-F2



## Specifications

Camera Model	C1080PBL-AF-F2	C1080BL-AF-F2	
<b>Flame Detection</b>			
Flame Detector	Detection Method	Detection using 2 kinds IR Sensors	
	Detection Distance & Angle	30m / 80°	
	Sensitivity	Adjustable within 10 Steps	
	Detection Time	3, 5, 10 sec	
	Action Time	Keep On, 20, 30, 40, 50, 60 sec	
	Alarm Notification	Alarm signal transmission via Coax Cable, Alarm Message on video	Alarm signal transmission via Coax Cable, Alarm Message on video, Digital Output
<b>VIDEO</b>			
Video Sensor	1/3", 2.1Megapixel CMOS		
Sensor Pixels	1920(H) x 1080(V) = 2.1M pixels		
Scanning System	Progressive Scan		
Min. Illumination	BW	0.0005Lux@50IRE, F1.6, 3100K, DSS(OFF), AGC(10)	
	Color	0.2Lux@50IRE, F1.6, 3100K, DSS(OFF), AGC(10)	
Lens	Optical Filter	True Day & Night (ICR)	
	Type, Focal Length, F No.	DC Iris, 2.8~11mm, F1.6, IR Corrective Megapixel Lens	
Video Output	Output port	1 BNC, 1.0 Vp-p, 75Ω	
	Resolution	1080p 30/25fps, 720p 30/25fps	
	Video Format	HD-SDI (SMPTE 292M compatible) or EX-SDI Selectable	
	Transmission Distance	HD-SDI : Max. 200m(650ft) video transmission through 5C-HFBT cable EX-SDI : Max. 400m(1,200ft) video transmission through 5C-HFBT cable	
Camera Functions	Control Methods	OSD menu, DVR, CMS (Control Center)	
	AGC	0 ~ 10 steps	
	Mirror	Horizontal / Vertical	
	WDR	OFF, LOW, MIDDLE, HIGH	
	BLC	OFF, LOW, MIDDLE, HIGH	
	ACE	OFF, , LOW, MIDDLE, HIGH	
	DNR	OFF, LOW, MIDDLE, HIGH	
	DSS	OFF, AUTO, x2 ~ x32 steps	
	White Balance	AUTO, AUTOext, PRESET, MANUAL	
	Electric Shutter	INDOOR, OUTDOOR, INDOOR-ANTI BLUR, OUTDOOR-ANTI BLUR, MANUAL, FLICKER	
	DZOOM	x1 ~ x16 steps	
	ANTI-FLICKER	OFF, ON	
	Lens Shading	OFF, ON	
	HLC	0 ~ 20 steps	
	DEFOG	OFF, ON (Auto / Manual)	
	Privacy Masking	OFF/ON (18 Zones )	
<b>CONTROL INTERFACE</b>			
Control	CoC (Control over Coax), Wired remote controller, DVR & CMS	RS-485 Wired remote controller, DVR & CMS	
<b>ELECTRICITY</b>			
Power Consumption	PoC (Power over Coax) : DC24V±10%, 6W	DC12V±10%, 5W or AC 24V±10%, 8W	
<b>MECHANICAL</b>			
Dimension	120(W) x 140(H) x 254(D) mm		
Weight	Approx. 1,600g		
<b>ENVIRONMENTS</b>			
Operation Temp. / Humidity	-10 °C ~ 50 °C / 0%RH ~ 80%RH		
<b>CERTIFICATIONS</b>			
Certifications	CE/ FCC/ KC		