



# IR Thermal, Fire Flame Detection System(PoC)

## 화재감지 카메라

# PFN-TI32B2I(R)-P

### · 화재감지 카메라

- 보안+화재/불꽃감지 추가로 강력해지는 보안 시스템 구축 가능
- 실시간 열영상 이상 온도 감지 / 화재감지 / ( 불꽃감지)
- 이상 징후 발생 / 불꽃 감지 시 Event Alarm, 모바일 Push Alarm 기능

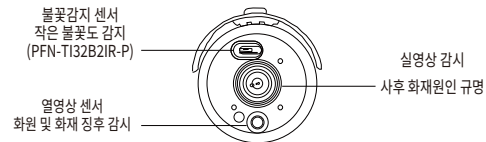
### Specification

Items	Sub-items	Description	
		PFN-TI32B2I-P	PFN-TI32B2IR-P
Flame Sensor	Wave Length	Not Used	185nm~260nm
	Sensitivity		5000counts/min
	Detection Length		Max 1candel 10m/ 10candels 50m
	UV Filter		180um~
Thermal Sensor	Effective Pixels	32(h) x 24(v) = 768 pixels	
	Wave-Length	8 ~ 14 μm	
	FOV	55° (h) x 35° (v)	
	Frame Rate	Less than 9 Hz	
	Tolerance	0~100℃ : ±5%, 100~400℃ : ±10%	
	Detection Length	Black Body 8x8cm Max 2.5meter Ignition Source 50X50cm Max 12m	
Lens	Focal Length	2.8 ~ 8.0 mm	
	2-Motor	Adjust Auto Focus	
	Iris	ELC	
Cmos	TDN	Day & Night	
	Device	1/2.8" 5MEGA CMOS (IMX335LQN-C)	
	Total	2704 (H) x 2104 (V)	
	Effective	2616 (H) x 1964 (V)	
Camera Functions	H/V Resolution	Max 2560/1440 Pixels	
	Minimum illumination	Color : 0.2 Lux(50IRE) B/W : 0.05 Lux(50IRE)	
	S/N Ratio	More than 40dB (AGC off)	
	Frame	30fps QHD	
	OSD	English/Chinese/Chinese(S)/Japanese/Korea	
	Control In/Out	OSD Key or UTC(In) / DTC(Alarm Out)	
	White Balance	AUTO / AUTOext / PUSH / MANUAL	
	WDR	Line mode(30fps) / Frame mode(15fps) and ROI	
	Privacy Mask	BOX(16 Areas), Polygon(8 Areas), Color, Position	
	Video	Analog Output	TVI/AHD/CVBS
Digital Output		BT1120	
Alarm Output		DTC, Corner in Picture	
Power Consumption		DC48V±10% Max 21 Watts	
Operating Temperature		WDR Frame mode : -10°C ~ +50°C(14°F ~ 122°F)	
Dimension (HxVxD)		77(H) x 71.5(V) x 199.8(D)mm	
Weight		620g	
<b>Model</b>		<b>SC-MVRP0601UP (PoC Receiver)</b>	
Input / Output signals		AHD, TVI	
UTC supports Resolutions	AHD / TVI	2M 25p/30p, 4M 25p/30p, 5M 20p	
Power Input		DC 48V / 1.0 A	
Power Output		COAX DC 33V (PoC DC 33V OUT)	
Alarm Output		External power with a maximum of 24VDC, open collector	
Port	Video Input	BNC_Female (Power stacking terminal)	
	Power Input	DC_JACK Male	
	Video Output	BNC_Male	
	Alarm Output	Connector 2pin Terminal Block	
UTP / PoC SET S/W		2P DIP SWITCH	
LED	GREEN	On: When video is received / Off: When video isn't received	
	RED	On: Power on / Off: Power off Flashing: In case of overcurrent(0.2s interval), during Link Check (0.5s interval)	
Power Consumption		Max. 15W	
Operating Temperature / Humidity		-10°C ~ +50°C / 0 ~ 80%	
Case Body / Weight		Aluminum / 132g	
Dimension (HxVxD)		60(H) x 100(V) x 25(D)mm	

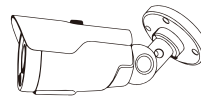
### · PoC Receiver

- 동축케이블 하나에 전원+영상+UTC 중첩 전송
- 전용 PoC 카메라와 구성 필요
- 카메라 구동용 전원 최대 5.4W 지원
- 불꽃, 열 감지 및 알람 출력 지원
- AHD, TVI HD-Analog(2M/4M/5M) 신호 지원
- 카메라 소비전력에 따라 5C-2V 동축케이블로 최대 500m 전송 가능
- 전원선 포설이 필요없어 배관/배선 비용 절감
- 서지 보호 회로 내장

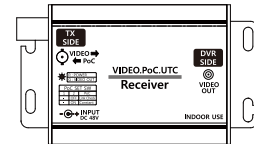
### Product



[화재감지 카메라 정면]

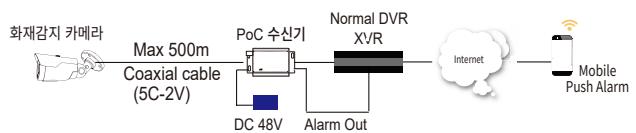


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PFN-TI32B2I-P  
PFN-TI32B2IR-P



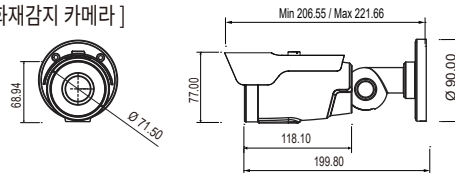
[PoC 수신기]  
SC-MVRP0601UP

### System Block Diagram

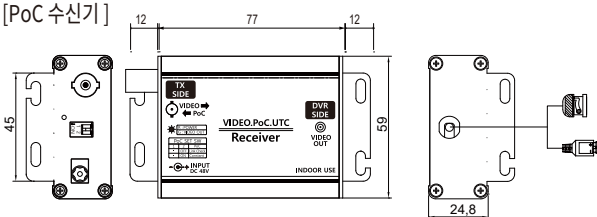


### Dimension

#### [화재감지 카메라]



#### [PoC 수신기]



※ Disign and spec can be changed without prior notice.