

2Mega, x30 Zoom IP Box CAMERA

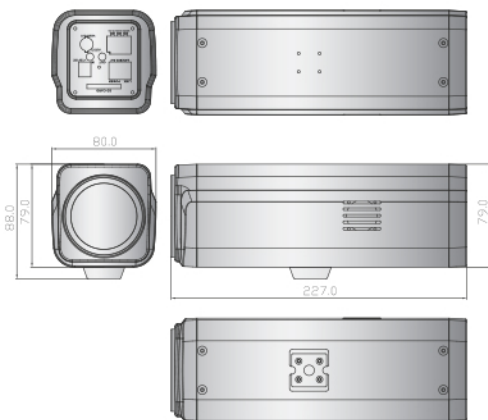
## TX-B230N20



## 제품특징

- 1/2" CMOS Image Sensor
- 야간 초저조도(TRUE Light) 기능
- TRUE DIS(자이로센서 적용) 기능
- 지능형 이미지 프리셋 기능
- 지능형 위치자막(Location), 방위(Compass) OSD 기능
- AI 기반 객체 감지 기능(사람, 자동차, 오토바이, 자전거, 번호판 등)
- 객체 상세 분류 : 성별, 색상, 모자, 마스크, 가방, 차량 종류 등
- AI 기반 분석 속성값 제공(attribute data)
- 최대 줌(Optical x30 / Digital x16 / IP x10)
- 최대 60fps@1920x1080
- 쿼드 스트리밍 지원(Pri : H.265/H.264, Sec x3 : H.265/H.264/MJPEG)
- 지능형 영상분석 기능
- IVA : 가상선/영역, 출입 감지, 배회, 방향 감지, 발생/소멸 감지 등
- 분석 이벤트 : 디포커스 감지, 움직임 감지, 템퍼링, 오디오 감지

## 외관도



Imaging	Sensor	1/2" CMOS Image Sensor
	Zoom	Optical 30x, Digital 16x
	Focal length	f = 6 - 180mm
	Angle of view	Horizontal : 58.2°(wide) - 1.94°(tele), Vertical : 33.9°(wide) - 1.13°(tele)
	Maximum aperture ratio	F1.5(Wide) - F4.2(Tele)
	Min object distance	3m
	Focus control	Oneshot AF
	Lens type	DC auto iris
	Min illumination	Color : 0.005 Lux(1/30sec, 30IRE), BW : 0.000078Lux (1/30, 30IRE, IR OFF)
	Electronic shutter speed	1/1 - 1/100,000 sec
	Day & Night	Day / Night / Auto
	Back light compensation	BLC / HLC / WDR
	White balance	Auto tracing white / Auto white / Manual
	Gain control	Auto
	Noise reduction	Auto / Manual
	Image stabilization	EIS(Gyro sensor)
	Defog	Support
Camera Functions	Image rotation	Horizontal(Mirror), Vertical(Flip)
	Motion detection	8 regions on 23x15 cells
	Privacy masking	8 regions (polygons of 8 points)
	Video analytics	Motion detection, object detection, object tracking, face detection, intrusion detection, missing object detection, abandoned object detection, line counting, ANPR, vehicle speed detection, directional detection, defocus detection, object blurring
	Burn-in OSD	Camera title, direction, user-defined Multi-lingual: (English, Korean, French, German, Spanish, Italian, Russian, Japanese, Swedish, Portuguese, Dutch, Hungarian, Finnish, Special Symbols)
Video	Compression	H.264 / H.265 / MJPEG
	Frame rate	Max 60fps @ 1920x1080
	Bitrate control	H.264/H.265: CBR / VBR / Hybrid, MJPEG: VBR
	Resolutions	1920x1080 - 352x240
	Streaming	Quad Streaming: Primary : H.264 / H.265, Secondary x 3 : H.264 / H.265 / MJPEG
Audio	Output	Composite
	Compression	G.711 u-law
	Sampling rate	G.711: 8KHz
	Bitrate	G.711: 64Kbps
	Streaming	Full-duplex
Event and Alarm	Input & Output	1 x Line-In (mono), 1 x Line-Out (mono)
	Event sources	Video analytics, Audio detection, Client disconnection, Sensor input, User-defined event
Network	Event actions	E-mail notification, OSD alert, FTP upload, PTZ preset, Alarm control, Recording, HTTP action
	Interface	Ethernet 10/100/1000 base-T (RJ-45)
	Protocol	IPv4/v6, TCP, UDP, IGMP(Multicast), ICMP, DHCP, HTTP, HTTPS, RTP, RTSP, FTP, SNMP, SMTP, UPnP, WS-Discovery, Zero Configuration, NTP, DDNS, RTMP
	Security	Basic/Digest authentication, HTTPS, IP address filtering, User access log, TTA certification
	Application programming interface	Truen protocol/SDK, ONVIF, PSIA, MPEG-TS
Power / Operating Conditions	Power supply	Min DC12V/2A, PoE+(Power over Ethernet) : 802.3at
	Power consumption	DC12V, PoE+: Max 9W
	Operating condition	-10°C - 50°C / Less than 90% RH
	Storage condition	-50°C - 60°C / Less than 95% RH
General	Certifications	KC/CE/FCC
	External devices	1 x Sensor-In (dry contact, NO/NC) 1 x Alarm-Out (dry contact, NO) 1 x RS-485 port
	Edge storage	Micro SD/SDHC/SDXC (Max 512GB)
	Color/Material	Silver / Aluminum
	RAL code	Silver : TBD(To be Determined)
	Dimension	79 (W) x 227 (L) x 79 (H) [mm]
	Weight	1100g