

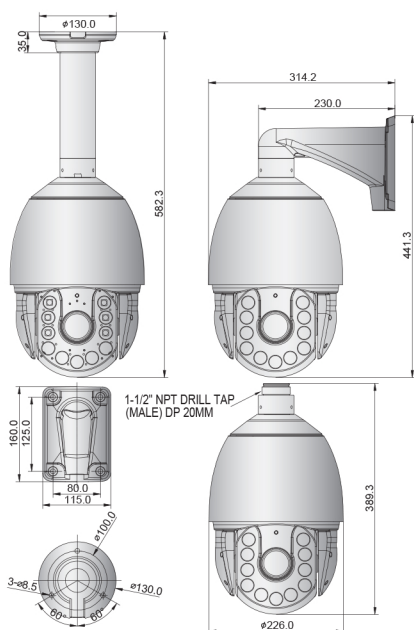
## TX-P5230N20R



## 제품특징

- 1/2.0" Progressive scan CMOS
- 야간 초저조도(TRUE Light) 기능
- TRUE DIS(자이로센서 적용) 기능
- 지능형 이미지 프리셋 기능
- SMART 위치 자막(OSD)
- AI 딥러닝 객체 감지 (사람, 자동차, 오토바이, 자전거, 번호판등)
- \*객체 상세 분류 : 성별, 색상, 모자, 마스크, 가방, 차량 종류 등
- AI 기반 분석 속성값 제공(attribute data)
- 최대 줌(Optical x30/Digital x16/1Px10)
- 최대 60fps@1920x1080
- 쿼드 스트리밍 지원(Pri: H.265/H.264, Secx3: H.265/H.264/MJPEG)
- 야간 최대 가시거리 300m 지원
- AI 영상 분석 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	1/2.0" Progressive scan CMOS
	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) Diagonal : 65.5°(wide) ~ 2.2°(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 Lux (IR ON)
	Electronic shutter speed	1/1 ~ 1/100,000 sec
	Day & Night	Day / Night / Auto
	Back light compensation	BLC / HLC / WDR
	Wide dynamic range	120dB
	White balance	Auto tracing white / Auto white / Manual
	Gain control	Auto
Camera Functions	Noise reduction	Auto / Manual
	Image stabilization	EIS(Gyro sensor)
	Defog	Support
	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
	Auto tracking	Human / Vehicle / Locked target
	IR LED	11 pieces, 300m
	Window cleaning	N/A
Video	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)
	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, Shock detection, User-defined event
PTZ control	Event actions	E-mail notification, OSD alert, FTP upload, PTZ preset, Alarm control, Recording, HTTP action
	Pan range	360°(endless)
Network	Pan speed	Preset max speed: 400°/sec, Manual speed: 0.065°/sec ~ 250°/sec
	Tilt range	105°(-15°~90°)
	Tilt speed	Preset max speed: 280°/sec, Manual speed: 0.065°/sec ~ 175°/sec
	Preset accuracy	Max ±0.2°
	PTZ functions	Preset (500), Pattern (4), Swing (8), Group (8), Auto parking, Auto tracking
Power / Operating Conditions	Interface	Ethernet 10/100base-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
	Application programming interface	Truen protocol/SDK, ONVIF, PSIA, MPEG-TS
General	Power supply	Min AC24V/3A
	Power consumption	AC24V : 40W
	Operating condition	-30°C ~ 70°C / Less than 90% RH
	Storage condition	-50°C ~ 60°C / Less than 95% RH
	Certifications	IP66, IK10, KC
	External device	4 x Sensor-In (dry contact, NO/NC) 2 x Alarm-Out (dry contact, NO) 1 x RS-485 port: Direct PTZ control etc.
	Edge storage	Micro SD/SDHC/SDXC (Max 512GB)
	Color/Material	Body: White / Aluminium, Head: Black / Aluminium Side cover: Black / Plastic, Sunshield: White / Plastic
	RAL code	White: RAL9016, Black: RAL9005
	Dimension	Ø232 x 364mm
	Weight	4.82Kg