

## ICRealtime IPEL-P8040X-IRW2-AI 8MP IP Full Size 4K Starlight PTZ Camera/40X Optical Zoom/1640ft Smart IR/Hi-PoE Capable

Camera	
Image Sensor:	1/1.8" 8 Megapixel CMOS
Effective Pixels:	3840(H) x 2160(V) 8 Megapixels
RAM/Rom:	8GB/2GB
Scanning System:	Progressive
Electronic Shutter Speed:	Support
Minimum Illumination:	Color: 0.005 lux@F1.4 B/W: 0.0005 lux@F1.4 0 lux@F1.4 (illuminator on)
Illumination Distance:	Distance up to 1640ft (500m)
Illumination On/Off Control:	Auto/Manual
Illumination LEDs:	10
IR Wavelength:	850 nm
Camera Illumination Type:	IR
Lens	
Lens Type:	Varifocal
Focal Length:	5.6mm-223mm
Max. Aperture:	F1.4-F4.5
Angle of View:	H: 63.9°-2.0°; V: 37.3°-1.1 °
Optical Zoom:	40x
Focus Control:	Auto/Manual
Close Focus Distance:	3.94 - 39.37in (100 - 1000mm)
DORI - Detect:	14435ft (4400m)
DORI - Observe:	5708ft (1740m)
DORI - Recognize:	2887ft (880m)
DORI - Identify:	1443ft (440m)
PTZ	
Pan/Tilt Range:	Pan: 0° to 360° Tilt: -30° to +90°, auto flip 180°
Manual Control Speed:	Pan: 0.1° ~240° /s; Tilt: 0.1° ~100° /s
Preset Speed:	Pan: 240 degrees/s Tilt: 120 degrees/s
Presets:	300
PTZ Mode:	5 Pattern / 8 Tour / Auto Pan / Auto Scan
Speed Setup:	Human-oriented focal Length / speed adaptation
Power up Action:	Auto restore to previous PTZ and lens status after power failure
Idle Motion:	Preset; Tour; Pattern; Scanning
Protocol:	ICR-SD, Pelco-P/D (Auto recognition)
Wiper:	Yes
Tracking Trigger Mode:	Yes, Perimeter Protection (Tripwire and Intrusion)
Intelligence	
IVS:	Tripwire, Intrusion, Object Abandoned/ Missing, Fast-Moving, Crowd Gathering Estimation, Parking and Loitering Detection  Audio Detection
Advanced Intelligent Functions:	Perimeter Protection- Tripwire and intrusion (Supports human and vehicle recognition) + Auto Tracking  Metadata support

Video	
Compression:	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG (Sub Stream 1)
Streaming Capability:	3 Streams
Resolution:	4K (3840 x 2160) / 1080P (1920 x 1080) / 1.3M (1280 x 960) / 720P (1280 x 720) / D1 (704 x 576 / 704 x 480) / CIF (352 x 288 / 352 x 240)
Frame Rate:	Main stream: 4K / 1080P / 1.3M / 720P(1 - 25/30fps) Sub stream1: D1 / CIF(1 - 25/30fps) Sub stream2: 1080P / 720P / D1(1 - 25/30fps)
Bit Rate Control:	CBR/VBR
Bit Rate:	H264: 512 kbps-16384 kbps H265: 256 kbps-10240 kbps
Day/Night:	Auto(ICR) / Color / B/W
Backlight Compensation:	BLC / HLC
White Balance:	Auto; Indoor; Outdoor; Tracking; Manual; Sodium Lamp; Natural; Street Lamp
Gain Control:	Auto / Manual
Noise Reduction:	2D / 3D
Motion Detection:	Support
Region of Interest:	Support
Electronic Image Stabilization (EIS):	Support
Digital Zoom:	16X
Flip:	180°
Privacy Masking:	Up to 24 areas
WDR:	120 dB
Audio	
Compression:	G.711a; G.711mu; G.726; AAC; G722.1; G.729; MPEG2-Layer2; G723
Network	
Ethernet:	RJ-45 (10/100Base-T)
Protocol:	IPv4 / IPv6 / HTTP / HTTPS / SSL / TCP/IP / UDP / UPnP / ICMP / IGMP / SNMP / RTSP / RTP / SMTP / NTP / DHCP / DNS / PPPOE / DDNS / FTP / IP Filter / QoS / Bonjour / 802.1x
Interoperability:	ONVIF Profile S&G&T; CGI
Streaming Method:	Unicast / Multicast
Max. User Access:	20 Users
Edge Storage:	NAS / Local PC for instant recording / Micro SD card 256GB
Web Viewer:	IE, Chrome, Firefox, Safari
Management Software:	Smart ICRSS/ DSS
Smart Phone:	Android, iOS
Interface	
Video Interface:	1 port (BNC 1.0V[p-p] 75 Ohms)
RS485:	1
Audio I/O:	1/1 channel In/Out
Alarm I/O:	7/2
Memory Slot:	Micro SD Card 256GB
Electrical	
Power Supply:	DC 36V/2.23A (±25%), Hi-PoE TVS 6000V lightning protection; surge protection; voltage transient protection
Power Consumption:	30W; 48W (IR light on)
Environmental	
Operating Conditions:	-40° F ~ +140° F (-40° C ~ +60° C) / Less than 95% RH
Ingress Protection:	IP67
Construction	
Casing:	Metal
Dimensions:	16.36" x 10.31" (415.6 mm x 262 mm)
Gross Weight:	29.76lb (13.5kg)