



## 5.0 Megapixel HD

### Ultra-Low Light Network Camera

- ★ 1/1.8" low illumination progressive scan CMOS
- ★ H.265&H.264 triple-stream encoding
- ★ 25fps @ 2592x1944
- ★ WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC
- ★ Multiple network monitoring
- ★ 6 ~22mm motorized (4x) Vari-Focal
- ★ Max. IR LEDs Length 50m

### TECHNICAL SPECIFICATIONS



CAMERA				
Image Sensor	1/1.8" low illumination progressive scan CMOS			
Effective Pixels	2592(H)x1944(V)			
Scanning System	Progressive Scan			
Minimum Illumination	Color:0.01Lux(F1.2), B/W:0.001Lux (IR on)			
S/N Ratio	More than 50dB			
IR Distance	Distance up to 50m			
IR On/Off Control	Auto/ Manual			
IR LEDs	4			
Elec. Shutter Speed	Auto/Manual, 1/3 ~ 1/100000s			
LENS				
Lens Type	Motorized / DC Auto Iris			
Mount Type	Board-in			
Focal Length	6 ~ 22mm motorized (4x) Vari-Focal			
Max. Aperture Ratio	F1.6 (Wide) ~ F3.6 (Tele)			
Angular Field of View	H: 101°~ 31°, V: 54°~17°			
Optical Zoom	4x			
Focus Control	Simple Focus Motorized V/F			
Min. Object Distance	0.3m(0.98ft)			
DORI Distance	Detect	Observe	Recognize	Identity
	44m W(144ft)	18m W(59ft)	9m W(29ft)	4m W(13ft)
	143m T(469ft)	57m T(187ft)	28m T(92ft)	14m T(46ft)
PAN/TILT/ROTATION				
Pan/Tilt/Rotation Range	Pan:0°~ 360° ; Tilt:0°~ 90° ; Rotation:0°~ 360°			
VIDEO				
Resolution	5MP (2592x1944)/ 3MP(2048x1536) 1080P(1920x1080)/ 1.3M(1280x960)/ 720P(1280x720)/ D1(704x576/704x480) / VGA(640x480)/ CIF(352x288/342x240)			
Compression	H.265/H.264(High/Main/Baseline)			
Streaming Capability	3 Streams			
Frame Rate	Main Stream: 5 MP 2592x1944(25fps) Sub Stream: D1 (1 ~ 50/60fps)			
Bit Rate Control	CBR/VBR (Selectable)			
Bit Rate	H.264: 24~ 10240Kbps H.265: 14~ 6144Kbps			
Day/Night	Auto(ICR) / Color / B/W			
BLC Mode	Off/ BLC / HLC			
Wide Dynamic Range	120dB			
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual			
Gain Control	Off/Auto/Manual			
Digital Noise Reduction	3D DNR			
Motion Detetion	Off / On (4 Zone, Rectangle)			
Region of Interest	Off / On (4 Zone)			
Image Stabilization	Off / On			
Contrast	Level Adjustment			
Smart IR	Off / On			
Defog	Off / On			
Digital Zoom	16x			

Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)
AUDIO	
Compression	G.711a/G.711Mu/AAC/ G.726
NETWORK	
Ethernet	RJ-45 (10/100Base-T)
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1X authentication (EAP-TLS, EAP-LEAP)
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	20 Users at Unicast mode
Edge Storage	NAS/Local PC for instant recording Micro SD card 128GB (Optional)
Web Viewer	IE, Chrome, Firefox, Safari
Web Page Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Management Software	CAM-SNVR
Smart Phone	IOS, Android
INTERFACE	
Video Interface	1 PORT
Audio Interface	Bi-directional 2way (Optional)
RS485	N/A
Alarm	2 CH. In: 5mA 5VDC, 1CH. Out: 1A 30VDC
ELECTRICAL	
Power Supply	DC12V, PoE+ (802.3at)(Class 4)
Power Consumption	<13W
ENVIRONMENTAL	
Operating Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
Storage Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP66
Vandal Resistance	IK10
CONSTRUCTION	
Casing	Metal
Dimensions	313.73mm×100.14mm×96.83mm(12.35"×3.94"×3.81)
Net Weight	1.12Kg (2.47lb)
Gross Weight	1.52Kg (3.35lb)
CERTIFICATIONS BY NABL LAB	
Safety Protection- IEC/EN 60950/ IS 13252, Ingress Protection- IEC/EN 60529/ IS 60529 Environment Protection (Dry Cold Test/Dry Heat Test/Thermal Shock Test/ Damp Heat Test) - IEC/EN 60068/ IS 9000 CE, FCC, ISO 9001:2015, ROHS.	

\*Design and specifications are subject to change without notice