

VN8D-2N66E		VigiNest
CAMERA		
Image Sensor	1/2.8" Sony CMOS Sensor, IMX307	
Total Pixels	1945 (H) x 1109 (V) = 2.16 MP	
Active Pixels	1920 (H) x 1080 (V) = 2.07 MP	
Scanning Mode	Progressive Scan	
Minimum Illumination	Color: 0.05 Lux B&W: 0.005 Lux	
S/N Ratio	More than 50dB (AGC off)	
LENS & IR LED		
Lens Type	Manual Varifocal Lens	
Focal Length	2.8–12mm	
Aperture Ratio	F1.4	
IR LED	-	
CAMERA FUNCTIONS		
Wide Dynamic Range	DOL HDR (Digital Over Lab High Dynamic Range)	
Day and Night Mode	Automatic, Day, Night	
Noise Reduction	3D-NR	
Auto Exposure Mode	Automatic, Manual	
Shutter Speed Control	1/30,000 – 1/30 sec (Automatic / Manual)	
Gain Control	0dB – 69dB (Automatic / Manual)	
Auto White Balance	Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual	
Digital Zoom	Up to 8x	
OSD	On / Off	
BLC	On / Off	
HLC	On / Off	
Image Effect	Mirror, Flip	
Privacy Mask	Up to 8 Areas Selection	
Tamper	On / Off	
Video Motion Detection	Up to 4 Areas Selection	
Lens Distortion Compensation	On / Off	
NETWORK		
Video Compression	H.264 / H.265 / MJPEG	
Video Resolution	1920 x 1080, 1280 x 960, 1280 x 720, 640 x 480, 640 x 360, 320 x 240	
Video Frame Rate	1920 x 1080 @ up to 30 fps	
Video Streaming	Simultaneously H.265, H.264, MJPEG Independent Frame Rate and Bandwidth Control VBR / CBR Mode	
Audio Streaming	Two way (G.711)	
FTP Uploading	MJPEG Still Image	
Event In	Onboot / Trigger / Network Loss / Tampering / Motion	
Event Out Notification	Email, FTP	
Login Authority	Administrator, Operator, Guest	
Event Buffering	FTP: Pre / Post Event Time: 0 – 30 sec, FPS: 1 – 2 fps	
Manual Trigger	Still Image Capture	
Security	Multi User Authority, IP Filtering, HTTPS	
Network Time Sync	Synchronize Computer / NTP Server, Manual	
Software Reset	Restart, Reset, Factory Default	
Auto Recovery	Backup, Restore	
Remote Upgrade	Using Web Browser	
Protocols	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP	
Client Software	Built in Web, ONVIF Compatible 3rd Party VMS	
Max User Connection	10 Users	
Ethernet Tx / Rx	RJ-45 (10/100 Base-T)	
GENERAL		
Power Source	DC 12V (+/-) 10%, PoE IEEE802.3af, Class3	
Power Consumption	210mA	
Operating Temperature	-10°C – +50°C / 0% – 90% RH	
Dimension	Ø102mm x 88mm (H)	