



VIS-P8DRXIRA2812NH

8 Megapixel Starlight IP Plug & Play Outdoor Dome, Motorized Auto-Focus Lens, up to 131' IR Range, WDR, Audio Input/Output, Built-in Mic, SD Card Slot, 12VDC/PoE

Features

- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- 8 Megapixel Resolution
- Motorized Auto-Focus 2.8-12mm Lens
- True Day/Night with IR Range up to 131'
- Starlight Illumination
- Ultra 265, H.265, H.264, MJPEG
- 20 FPS Recording and Live
- True WDR 120dB
- Cloud Upgradeable
- Micro SD Slot: Up to 512GB
- Audio Input: Built-In Mic
- Audio Output
- IP67 Weatherproof
- IK10 Vandal resistant
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC

Camera	VIS-P8DRXIRA2812NH				
Max Resolution	8 MP				
Sensor	1/2.8" CMOS				
Min. Illumination	Colour: 0.0025 lux (F1.6, AGC ON) 0 lux with IR				
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto/Manual, 1 ~ 1/100000s				
WDR	120 dB				
Adjustment Angle	Pan: 0° ~ 355°, Tilt: 0° ~ 80°, Rotate: 0° ~ 355°				
S/N	>52 dB				
Lens					
Focal Length	2.8 to 12 mm				
Iris	F1.6				
Field of View (H)	107.4°~ 29.2°				
Lens Type	Motorized				
Field of View (V)	54.2°~ 16.3°				
Field of View (D)	111.0°~33.1°				
Iris Type	Fixed				
DORI					
DORI Distance	Lens (mm)	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
	2.8	285.1 (86.9m)	114.2 (34.8m)	57.1 (17.4m)	28.5 (8.7m)
	12	1121.8 (372.4m)	488.8 (149m)	244.4 (74.5m)	112 (37.2m)
Illuminator					
IR Range	Up to 131ft (40m) IR range				
Wavelength	850nm				
IR On/Off Control	Auto/Manual				
Supplemental Light	IR				
Video					
H.264 code profile	Baseline profile, Main profile, High profile				
Video Compression	Ultra 265, H.265, H.264, MJPEG				
Video Bit Rate	128 Kbps~16 Mbps				
U-code	Support				

Ordering Information

VIS-P8DRXIRA2812NH: 8 Megapixel Dome, 2.8-12mm Lens

VIS-P8DRXIRA2812NH-B: 8 Megapixel Dome, 2.8-12mm Lens, Black Housing

Frame Rate	Main Stream: 8MP (3840*2160), Max 20fps; 5MP (3072*1728), Max 30fps; 4MP (2560*1440), Max 30fps; 1080P (1920*1080), Max 30fps; Sub Stream: 1080P (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;
ROI	Support
Video Stream	Triple Streams
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
Image	
Dewarping	Support
White Balance	Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Flip	Normal, Flip Vertical, Flip Horizontal, 180°, 90° Clockwise, 90° Anti-clockwise
HLC	Support
BLC	Support
Defog	Digital Defog
Intelligent	
Face Capture	Support
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)
Statistical Analysis	N/A
People Counting	Support People Flow Counting and Crowd Density Monitoring
Events	
Basic Detection	Motion Detection, Ultra Motion Detection, Tampering Alarm, Audio Detection
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication, HTTP Authentication
Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz
Storage	
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR, NAS (NFS)
Network	
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, SSL/TLS, 802.1x, SNMP, SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Security	Password Protection, Strong Password, HTTPS Encryption, Export Operation Logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF
Client	InVid Vision (Mobile App), Vision Tools (IP Utility), InVid CMS
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+
Interface	
Audio I/O	1 Input: impedance 35 kΩ, amplitude 2 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p]
Alarm I/O	1/1
Serial Port	N/A
Built-in Mic	Support
Built-in Speaker	N/A
WiFi	N/A
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Video Output	N/A
Certifications	
EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035) FCC (FCC 47 CFR part5 B)
Safety	CE LVD (EN 62368-1) CB (IEC 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment	CE-RoHS (2011/65/EU; EU)2015/863; WEEE (2012/19/EU);
Protection	IP67 (IEC 60529) IK10 (IEC 62262)
General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption	Max 9.0W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	Ø5.8" x 4.4" (Ø148 x 111.4mm)
Weight	2.14lb (0.97kg)
Working Environment	-22°F ~ 140°F (-30°C ~ 60°C), Humidity: ≤95% RH (non-condensing)
Storage Environment	-22°F ~ 140°F (-30°C ~ 60°C), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Reset Button	Supported
Material	Metal
Web Client Language	20 Languages: Traditional Chinese, English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese (Europe), Portuguese (Brazil), Japanese, Thai, Turkish, Spanish (Latin America), Spanish (Europe), Hungarian, Italian, Vietnamese