

# PRO SERIES VVIP-8AI-PRO-U

8MP HD Intelligent Ultra Illumination IR Fixed Network Dome Camera



## Specifications

CAMERA					
Sensor	1/2.7", 8.0 megapixel, progressive scan, CMOS				
Minimum 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, shutter time: 1 ~ 1/100000s				
Adjustment Angle	Pan: 3° ~ 360°, Tilt: 0° ~ 68°, Rotate: 3° ~ 360°				
WDR	120dB				
S/N	>56 dB				
LENS					
Lens	2.8mm@F1.6				
Iris	Fixed				
Field of View (H)	112.4°				
Field of View (V)	60.1°				
Field of View (D)	146.1°				
DORI					
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	2.8	84.0	33.6	16.8	8.4
ILLUMINATOR					
IR Range	Up to 30m (98ft) IR range				
Wavelength	850nm				
IR On/Off Control	Auto/Manual				
VIDEO					
Video Compression	Ultra 265, H.265, H.264, MJPEG				
H.264 code profile	Baseline profile, Main profile, High profile				
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;				
Video Bit Rate	128 Kbps~16 Mbps				
U-code	Supported				
OSD	Up to 8 OSDs				
Privacy Mask	Up to 4 areas				
ROI	Up to 8 areas				
Video Stream	Triple streams				
IMAGE					
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2				
Digital Noise Reduction	2D/3D DNR				
Smart IR	Supported				
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90° Counter-clockwise				
Dewarping	N/A				
HLC	Supported				

## Features

- High quality image with 8MP, 1/2.7"CMOS sensor
- 8MP (3840\*2160)@20fps; 5MP (3072\*1728)@30/25fps; 4MP (2560\*1440)@30/25fps; 2MP (1920\*1080) @30/25fps
- Ultra 265, H.265, H.264, MJPEG
- Intelligent perimeter protection, include cross line, intrusion, enter area, leave area detection
- Smart intrusion prevention significantly reduces false alarms caused by leaves, birds, lights etc.,accurately focusing on human, motor vehicle and non-motor vehicle
- Intelligent People Flow Counting and Crowd Density Monitoring
- Ultra Illumination technology ensures ultra-high image quality in low illumination environment
- 120dB true WDR technology enables clear image in strong light scene
- Support 9:16 Corridor Mode
- Alarm:1 in/1 out, Audio: 1 in/1 out
- Smart IR, up to 30m (98ft) IR distance
- Supports 256 G Micro SD card
- IK10 vandal resistant and IP67 protection

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<b>BLC</b>	Supported
<b>Defog</b>	Digital Defog
<b>INTELLIGENT</b>	
<b>Smart intrusion prevention</b>	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
<b>Statistical Analysis</b>	People counting, support people flow counting and crowd density monitoring
<b>EVENTS</b>	
<b>Basic Detection</b>	Motion detection, Ultra motion detection, tampering alarm, audio detection
<b>General Function</b>	Watermark, IP address filtering, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication
<b>AUDIO</b>	
<b>Audio Compression</b>	G.711
<b>Audio Bitrate</b>	64 Kbps
<b>Two-way Audio</b>	Supported
<b>Suppression</b>	Supported
<b>Sampling Rate</b>	8KHZ
<b>STORAGE</b>	
<b>Edge Storage</b>	Micro SD, up to 256GB
<b>Network Storage</b>	ANR, NAS (NFS)
<b>NETWORK</b>	
<b>Protocols</b>	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP,SSL/TLS, SSH
<b>Compatible Integration</b>	ONVIF (Profile S, Profile G, Profile T), API,SDK
<b>User/Host</b>	Up to 32 users. 2 user levels: administrator and common user
<b>Security</b>	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
<b>Client</b>	Guard Viewer, 2M Station
<b>Web Browser</b>	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above
<b>INTERFACE</b>	
<b>Audio I/O</b>	Input: impedance 35kΩ; amplitude 2V [p-p] Output: impedance 600Ω; amplitude 2V [p-p]
<b>Alarm I/O</b>	1/1
<b>RS485</b>	N/A
<b>Built-in Mic</b>	Supported
<b>Built-in Speaker</b>	N/A
<b>WIFI</b>	N/A
<b>Network</b>	1x RJ45 10M/100M Base-TX Ethernet
<b>Video Output</b>	N/A

<b>CERTIFICATIONS</b>	
<b>EMC</b>	CE-EMC (EN 55032: 2015+A1:2020,EN 61000-3-3: 2013 +A1: 2019,EN IEC 61000-3-2: 2019+A1: 2021,EN 55035: 2017+A11:2020)FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
<b>Safety</b>	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014)
<b>Environment</b>	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
<b>Protection</b>	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)
<b>GENERAL</b>	
<b>Power</b>	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 6.0W
<b>Power Interface</b>	Ø 5.5mm coaxial power plug
<b>Dimensions (L × W × H)</b>	109 x 83mm (Ø4.3" x 3.3")
<b>Weight</b>	0.43kg (0.95lb)
<b>Material</b>	Metal
<b>Working Environment</b>	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
<b>Storage Environment</b>	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)
<b>Surge Protection</b>	4KV
<b>Reset Button</b>	N/A

## Specifications

