UA-R500F2 5MP H.265 Super Low Lux WDR IR Eyeball Dome IP Camera



- High quality imaging with progressive scan CMOS
- Triple streams from H.265, H.264
- IR distance up to 30 m (100 ft)
- Built-in microphone
- Built-in micro SD card slot, up to 256 GB
- Ingress protection (IP66)
- DC 12V / PoE (IEEE 802.3af)
- P2P function for GV-Eye app
- ONVIF conformant

Specifications

Video		
Imaging Device		1/2.7”
Picture Elements		2592 (H) x 1944 (V)
Scanning System		Progressive CMOS
Min. Illumination	Color	0.002 Lux at F1.2 (AGC On)
	B/W	0 Lux
	IR On	0 Lux
Lens Type		
Lens Type		Fixed
Focal Length (Zoom Ratio)		2.8 mm
Maximum Aperture		F/1.6
Mount		M12
Field of View		Horizontal: 97°, Vertical: 70.57°, Diagonal: 128.66°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
Operation		
IR LED Quantity		2 IR LEDs
Max. IR Distance		30 m (100 ft)
Day and Night		IR cut filter with auto switch (Day / Night / Auto / Image / Schedule)
Backlight Compensation		Off / on (5 zones)
S/N Ratio		39 dB
WDR		Yes
Digital Noise Reduction		3D DNR
Motion Detection		Off / on (8 levels)
Privacy Masking		Off / on (4 zones)
Gain Control		Auto
White Balance		Auto / Manual
Electronic Shutter Speed		1/5 ~ 1/20000 s
Flip / Mirror		Flip / Rotation
Image Setting		Hue, Bright, Contrast, Saturation, Sharpness, IR-CUT Mode, IR-CUT Delay, IR-LED, Low Beam Light, Angle Trad, Mirror, Backlight, White Balance, Shutter, Time Exposure, Defog, 3D Noise Reduction
Audio Compression		G.711
Audio Support		One-way audio
Hardware Reset		Yes

Network		
Ethernet		RJ45 (10/100 BASE-T)
Video Compression Format		H.265 / H.264
Resolution	Main Stream	5 MP: 2592 x 1944 (Default) (UI), 2592 x 1920 (Real) 4 MP: 2592 x 1520 (UI), 2592 x 1504 (Real) 3 MP: 2304 x 1296 (UI), 2304 x 1280 (Real) 1080P: 1920 x 1080 (UI), 1920 x 1056 (Real) 960P: 1280 x 960 (UI), 1280 x 960 (Real) 720P: 1280 x 720 (UI), 1280 x 704 (Real)
	Sub Stream	720P: 1280 x 720 (Default) (UI), 1280 x 704 (Real) VGA: 640 x 480 (UI), 640 x 480 (Real) QVGA: 320 x 240 (UI), 320 x 224 (Real)
	Mobile Stream	QVGA: 320 x 240 (Default) (UI), 320 x 224 (Real)
Max. Frame Rate		50 Hz: 25 fps at 8 MP / 5 MP / 4 MP / 3 MP / 2 MP / 960P / 720P / VGA / QVGA 60 Hz: 30 fps at 8 MP / 5 MP / 4 MP / 3 MP / 2 MP / 960P / 720P / VGA / QVGA
Video Quality Adjustment		256 Kbps ~ 8 Mbps
Bitrate Control Method		CBR / VBR
Streaming Capability		Triple-Stream (Main / Sub / Mobile)
IP		IPv4, IPv6
Protocol		TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Security		-IP address filter -Complicated password -Authenticated username and password
Streaming Method		Unicast / Multicast
Max. User Account		Max 7 (Admin + 6 Users)
Application Programming Interface		ONVIF (Profile S / G / T)
Mechanical		
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	0° ~ 80°
	Rotate	0° ~ 360°
Connector	Power	DC Jack
	Ethernet	Ethernet (10/100 Base-T), RJ45 cable
	Audio	1 in (built-in microphone)
	Local Storage	Micro SD card slot, up to 256GB (SD / SDHC / SDXC) *Class 10, UHS-I, UHS-II card type is not supported.
General		
Operating Temperature / Humidity		-30 ~ 55°C (-22°F ~ 131°F) / less than ≤ 95% RH
Storage Temperature / Humidity		-30 ~ 60°C (-22°F ~ 140°F) / less than ≤ 95% RH
Power Source		12V DC, 1A / PoE (IEEE 802.3af)
Max. Power Consumption		5 W
Color / Material		White / Metal
Dimensions (Ø x H)		Ø 100 x 90 mm (Ø 3.9” x 3.5”)
Weight		420 g (0.93 lb)
Ingress Protection		IP66
Certification		FCC and RoHS compliant
Web Interface		
Installation Management		Web-based configuration
Maintenance		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Live View, Change Stream, Play, Color, Stop, Original Proportions, Stretch, Full Screen, Record, Capture, Digital Zoom, Audio, Pixel Counter
Language		English / German / Spanish / French / Japanese / Italian / Portuguese / Russian / Turkish

Application	
Software Supported	GV-VMS (V18.3.1 / 17.4.5 *3rd-party license required for SW connection) GV-Control Center (V4.1.0) GV-Recording Server (V2.1.0 *3rd-party license required for SW connection) GV-Edge Recording Manager Windows Version (V2.2.0)
Smart Device Access	GV-Eye for iOS and Android (V2.9.1)
Live Viewing	IE10 / 11 Safari V12.1 or later Firefox V52 or later Google chrome V57 or later Edge V79 or later

Note: Product design and specifications are subject to change without notice.

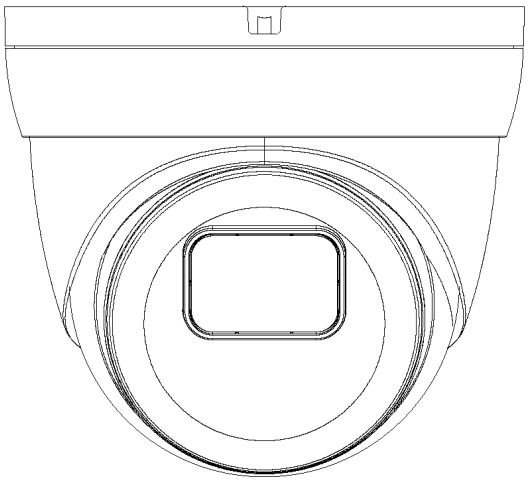
USAVision Products Supported

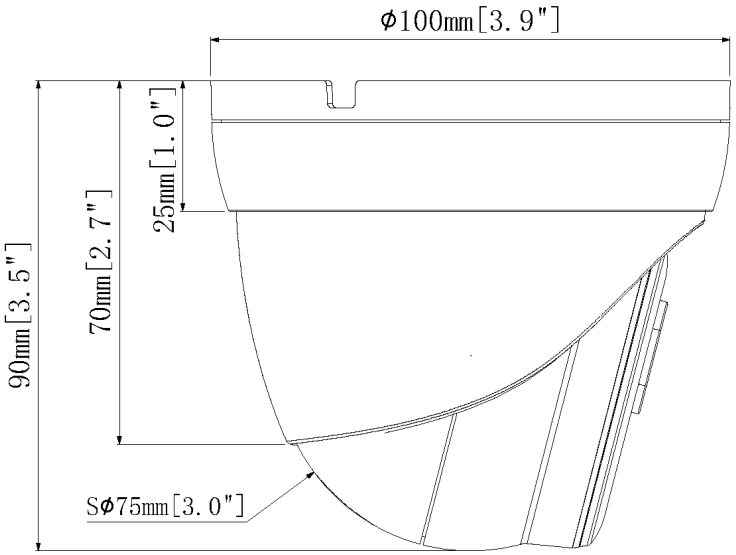
- Standalone Network Video Recorder: UA-SNVRL810-P, UA-SNVR1620-P, UA-SNVR3240-N

Packing List

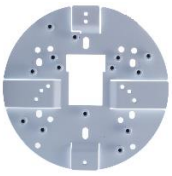
1. UA-R500F2
2. Waterproof Rubber Set
3. Screw Kit
4. Drill Template Paster
5. Download Guide

Dimensions





Accessories

Model No.	Name		Details
GV-Mount215-1	Wall Mount Bracket		Dimensions: 155 mm x 75 mm x 132 mm (6.1” x 2.95” x 5.2”) Weight: 0.62 kg (1.37 lb)
UA-Mount505	Wall Box Mount		Dimensions: Ø 100.5 mm x 56 mm (Ø 3.96” x 2.2”) Weight: 0.46 kg (1.01 lb)
UA-Mount922	Power Box Mount Bracket		Dimensions: Ø 148.00 mm (Ø 5.83”) Weight: 180 g (0.4 lb)
GV-PA191	Power over Ethernet (PoE) Adapter		GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
GV-POE Switch			The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.
Power Adapter			Contact our sales representatives for the countries and areas supported.