

# RC1302SV-7211



## Full HD Starvis Sensor Box IP Camera

- Full HD1080p @ 30fps
- Video Compression: H.264, MJPEG
- True Day/Night and true WDR
- Superior low light performance
- MicroSD/SDHC Memory Card Slot
- ONVIF Support, PoE (IEEE 802.3af)
- Embedded VCA Technology Video Analytics
- Burnt-in Text, Video Motion Detection
- DC Iris Control output / CS lens mount



### Specifications

CAMERA		VIDEO	
<b>Model</b>	RC1302SV-7211	<b>Resolutions</b>	<b>16:9 mode</b> 1920x1080, 1280x720, 1120x630, 960x540, 800x450, 640x360, 480x270, 320x180 <b>4:3 mode</b> SXGA(1280x960), XGA(1024x768), SVGA(800x600), PAL(720x576), NTSC(720x480) VGA(620x480), QVGA(320x240)
<b>Image Sensor</b>	SONY STARVIS 1/2.8" 1080p CMOS	<b>Frame Rate</b>	H.264: Configurable up to max 30fps in all resolution* MJPEG: Configurable up to max 30fps in all resolution*
<b>Effective Pixels</b>	1920 x 1080	<b>Motion Detection</b>	Max. 8 zones with independent configuration of detection sensitivity and target object size
<b>Scanning System</b>	Progressive scanning	<b>Video Stabilization</b>	Supported for First/Second Stream and Snapshot
<b>AGC Control</b>	Auto, adjustable amplification level	<b>Defogging</b>	Selectable Defogging level (low, medium, high)
<b>Minimum Illumination</b>	Color: 0.03Lux (DSS On) B/W : 0.006 Lux (DSS On)	<b>Text Overlay</b>	Free positioning of display for time/ data/ name (name up to 48 signs)
<b>Lens Mount</b>	CS Mount	<b>Privacy Mask Zones</b>	4 flexible configurable regions
<b>IRIS Control</b>	Four Pin DC Iris control output	<b>Analogue Video</b>	NTSC/PAL Video Signal (1.0Vp-p, 75Ω)
<b>Shutter Time</b>	Automatic: 1/30 ~ 1/10.000 Manual: 1/2 ~ 1/5.000	<b>NETWORK</b>	
<b>Shutter Exposure Modes</b>	Automatic - with configurable min/max shutter speed (exposure time range) Manual - with configurable fixed shutter speed Flicker-Control - 50/60Hz	<b>Ethernet Standard/IP</b>	10 / 100 Base-T / IPv4, IPv6
<b>Day &amp; Night Switching</b>	Auto/Manual (both switching level adjustable 1 ~ 64) removable IR Cut Filter	<b>Protocol</b>	QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, HTTPS, FTP, RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS, UPnP™, SMTP, DHCP, DNS, DynDNS, NTP, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP, SSLv2/v3, TLSv1/1.2, SRTP, RTMP, IEEE802.1X
<b>Image Settings</b>	Configurable brightness, contrast, saturation, sharpness, vertical flip & horizontal mirror function, Corridor Mode (-90° / +90° image flip)	<b>Users Connection</b>	Live viewing for up to 10 clients
<b>2D-DNR</b>	Configurable digital noise reduction 1 ~ 16	<b>Security</b>	HTTPS(SSL), IP Filtering, Multi-level access with password protection
<b>Wide Dynamic Range</b>	Up to 120dB Dynamic Range with activated WDR	<b>GENERAL</b>	
<b>Exposure Adjustment</b>	+1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV	<b>I/O Terminal</b>	1x Alarm In - max 50mA@5VDC, TTL 1x Alarm Out - max 50mA@24VDC, TTL
<b>White Balance</b>	ATW1 / ATW2 / Push / Manual	<b>Serial Interface</b>	RS485 Data Port
<b>DSS (Sens-up)</b>	Configurable digital slow shutter 2X ~ 16X	<b>Edge Storage</b>	Via micro SD/SDHC (up to 32GB) card for continuous or event recording. Search interface for event files, playback and download (card not included).
<b>Backlight Compensation</b>	BLC On/Off (possible to designate zone)	<b>Application Programming Interface</b>	Software Development Kit (SDK) available
<b>AUDIO</b>		<b>Event Metadata Streaming RTSP/RTP</b>	Video Motion Detection(MD), Video Content Analytics(VCA)
<b>Audio input / output</b>	Line-In: 0.178Vp-p, 10KΩ Lineout: 2.26Vp-p, 10KΩ		
<b>Compression Format</b>	G.711-uLaw		
<b>VIDEO</b>			
<b>Video Compression</b>	H.264 Baseline, Main, High profile (MPEG-4 Part 10/ AVC), MJPEG (Motion JPEG)		
<b>Video Streaming</b>	Dual Stream, Independent Configurable <b>H.264:</b> Controllable frame rate and image resolution, bandwidth limitation (CVBR/CBR) <b>MJPEG:</b> Controllable frame rate and image resolution, JPEG quality		

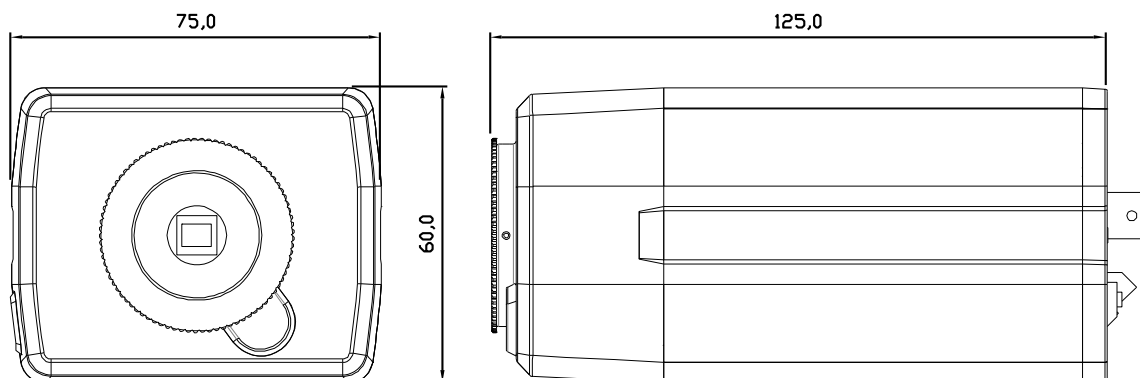
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GENERAL		VIDEO CONTENT ANALYSIS (Included as a Standard)	
<b>ONVIF</b>	Version: 2.41 (Support Profile S and G)	<b>High Performance</b>	Advanced tracking algorithm and low false alarm rate
<b>Event Sources</b>	Sensor(DI), Video Motion Detection, Tamper Detection, Video Content Analytics(VCA), Network Loss/Detect, Network Setting Change, Time (Recurrence/Schedule)	<b>Easy to Use</b>	Intuitive web browser interface
<b>Event Actions</b>	Notification service via TCP/IP, HTTP, multicast or email text messages with snapshot, DO-contact, file upload on external FTP server, local SD memory card recording	<b>Detection Zones and Rules</b>	Up to 40 zones (multi-segment polygons and lines) 60 VCA filter rules in total
<b>Approvals</b>	FCC, CE, KC, UL, RoHs	<b>On-screen Display</b>	Real-time display of tracking data and events via activeX plug-in in IE browser
<b>Language on Webpage</b>	Korean, English, Chinese, German	<b>Burnt in Annotation</b>	Allows the VCA annotation to be burnt into the raw video stream for displaying on third party application
ELECTRICAL		<b>Tamper Detection</b>	Recognize camera tampering via VCA detection (defocusing, lens covering, camera moving)
<b>Power Source</b>	12V DC / PoE (IEEE 802.3af)	VIDEO CONTENT ANALYSIS (Option extension License)	
<b>Power Consumption</b>	DC 12V, PoE / Max. 6W @ DC 12V / 6.4W @ PoE	<b>Available License</b>	VCAdetectIP, VCAcountIP, VCAadvancedIP, VCAprofessionalIP
ENVIRONMENT		<b>VCA Detection Filters</b>	Object: Enter, Exit, Appear, Disappear, Stop, Direction, Dwell, Speed, Unauthorized Access, Counting Line, Color Filter, Object Classification
<b>Operation Temperature</b>	DC12V/PoE : 0°C ~ 50°C (32°F ~ 131°F)	<b>VCA Features</b>	<ul style="list-style-type: none"> <li>- Up to 20 Onscreen Counter Displays</li> <li>- Counting-Line for accuracy people and vehicle counting with local database and reporting service</li> <li>- VCA calibration via 3D tools for right object size detection</li> <li>- Several definable object class to include into the detection rules for the VCA alarm</li> <li>- 10 colors in total to distinguish objects by color</li> <li>- People tracking mode to tracks individuals separately among overlapped multiple people</li> <li>- Heatmap Report shows relative crowd density of the 24 hour period (criterion: midnight)</li> </ul>
<b>Operating Humidity</b>	Up to 85% RH, Non-condensing		<b>Logical Rules</b>
MECHANICAL			
<b>Material</b>	Aluminum Die Casting		
<b>Color</b>	Grey		
<b>Dimension</b>	75(W) x 60(H) x 125(D)mm (3.0" x 2.4" x 4.9")		
<b>Weight (Approx)</b>	0.32kg (0.7 lbs)		

\* If VCA is activating, frame rate is limit to max15fps@1080p.

## Dimension RC1302SV

(Unit: mm)



Standard Camera



RC1302SV



## ■ Super Low Light Performance

With CCTV being expected to work effectively 24/7 regardless of lighting conditions, one of the key concerns for end-users is poor visibility at night time. The RC1302SV is able to capture superb quality images both during the day and in low light conditions. Equipped with a Sony STARVIS image sensor, the RC1302SV delivers brighter images compared to those captured by conventional Full HD IP cameras, enabling objects and people to be seen in greater detail.

## ■ Improved Performance of Video Analytics

RC1302SV's superior imaging functionality in low light conditions promotes the leading-edge video analytics to perform its best by eliminating the low light barrier that causes the video analytics engine to have difficulty detecting objects.